

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Office of Chemical Safety and Pollution Prevention

MEMORANDUM

Date: May 15, 2019

Subject: Common Triazole Metabolites: Updated Dietary (Food + Water) Exposure and Risk Assessment to Address The New Section 3 Registrations For Uses of Difenoconazole on Vegetable, Root, Subgroup 1A and Vegetable, Leaves of Root and Tuber, Group 2 and Establishment of a Tolerance with No U.S. Registration for Imported Tea and the New Active Ingredient Mefentrifluconazole on Numerous Crops.

PC Codes: 600074 (1,2,4-Triazole), 600011 (Triazolylalanine), 600082 (Triazolylacetic Acid)	DP Barcode: D450540 & D450770
Decision No: 543310, 547313	Registration No.: None
Petition No.: 8F8695, 8E8728	Regulatory Action: Section 3
Assessment Type: Single Chemical, Dietary	Registration Case No.: None
TXR No.: None	CAS No.: 288-88-0, 86362-20-1
MRID No.: None	40 CFR: None

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Background

In November 2016, HED issued a dietary exposure and risk analysis (D435630) for the common triazole metabolites 1,2,4-triazole (T), triazolylalanine (TA), and triazolylacetic acid (TAA). This current assessment is a further update to address requested Section 3 registrations for use of the triazole-derivative fungicides difenoconazole and mefenitrifluconazole.

Executive Summary

Acute and chronic aggregate dietary (food and drinking water) exposure and risk assessments were conducted using the Dietary Exposure Evaluation Model software with the Food Commodity Intake Database (DEEM-FCID) Version 3.16. This software uses 2003-2008 food consumption data from the U.S. Department of Agriculture's (USDA's) National Health and Nutrition Examination Survey, What We Eat in America, (NHANES/WWEIA). The analyses were performed to support Section 3 registrations for use of difenoconazole and mefenitrifluconazole.

Four assessments were conducted: acute and chronic durations for T, and acute and chronic durations for combined residues of TA and TAA. As with the previous triazole metabolite assessments, this assessment includes exposure estimates resulting from direct consumption of T, TA, and TAA as well as indirect exposure resulting from consumption of parent fungicides followed by *in vivo* conversion to the metabolites. The occurrence of triazole pyruvic acid and triazole lactic acid in metabolism studies is low; therefore, those two metabolites have not been explicitly included in this risk assessment. For each food form in the acute assessment, the residue used is the maximum estimate from the various food/triazole fungicide combinations combined with the average indirect residue estimate. For the chronic assessments, the residue estimates are the average residue from the food-specific food/triazole combinations combined with the average indirect residue estimates. All four assessments assume 100% crop treated and include conservative estimates for residues of the metabolites in drinking water. The resulting exposure and risk estimates are based on health-protective assumptions and should be characterized as conservative.

For all four analyses, risk estimates are below HED's level of concern for all population subgroups. There are no dietary exposure considerations for the common triazole metabolites that would preclude granting the registration requests for difenoconazole and mefenitrifluconazole.

I. Introduction

Dietary risk assessment incorporates both exposure and toxicity of a given pesticide. For acute and chronic assessments, the risk is expressed as a percentage of a maximum acceptable dose (i.e., the maximum dose for which HED has concluded there is a reasonable certainty of no harm). This dose is referred to as the population adjusted dose (PAD). The PAD is equivalent to point of departure (POD, NOAEL, LOAEL, e.g.) divided by the required uncertainty or safety factors.

For acute and non-cancer chronic exposures, HED is concerned when estimated dietary risk exceeds 100% of the PAD. HED is generally concerned when estimated cancer risk exceeds one in one million. References which discuss the acute and chronic risk assessments in more detail are available on the EPA web site: "Available Information on Assessing Exposure from Pesticides, A User's Guide," 21-JUN-2000, web link: <http://www.epa.gov/fedrgstr/EPA-PEST/2000/July/Day-12/6061.pdf>; or see SOP 99.6 (20-AUG-1999).

The most recent dietary risk assessment for the common triazole metabolites was conducted by Thurston Morton (D448161, 08/08/2018).

II. Residue Information

These dietary assessments include all of the uses addressed in the previous assessments. The metabolite residues associated with the requested new uses for difenoconazole and mefen trifluconazole have been added in these analyses. Parent tolerances for these new uses are summarized in Table 1.

Table 1. Tolerance Summary

Chemical	Petition Number	Commodity	Parent Tolerance (ppm)
Difenoconazole	8F8695 (1A) and 8E8728 (tea)	Tea, dried	15
		Vegetable, root, subgroup 1A	0.6
		Vegetable, leaves of root and tuber, group 2	8
		Liver of cattle, goat, horse, sheep	0.7
Mefen trifluconazole	7F8612	Beet, sugar, roots	0.60
		Beet, sugar, leaves	9.0
		Cattle, fat	0.20
		Cattle, meat byproducts	0.30
		Cattle, meat	0.03
		Cherry subgroup 12-12A	4.0
		Corn, field, grain	0.01
		Corn, sweet, kernel plus cob with husks removed	0.03
		Corn, pop, grain	0.01
		Egg	0.01
		Fruit, citrus, group 10-10, oil	15
		Fruit, pome, group 11-10	1.5
		Fruit, small, vine climbing, except fuzzy kiwifruit, subgroup 13-07F	1.5
		Goat, fat	0.20
		Goat, meat byproducts	0.30
		Goat, meat	0.03
		Grain, cereal, group 15, except wheat and corn	4.0
		Grape, raisin	4.0
		Grapefruit subgroup 10-10C	0.50
		Hog, fat	0.015
		Hog, meat byproducts	0.03
		Hog, meat	0.01

Chemical	Petition Number	Commodity	Parent Tolerance (ppm)
		Horse, fat	0.20
		Horse, meat byproducts	0.30
		Horse, meat	0.03
		Lemon/lime subgroup 10-10B	1.0
		Lentil, dry, seed	2.0
		Milk	0.03
		Milk, fat	0.80
		Nut, tree, group 14-12	0.06
		Orange subgroup 10-10A	0.60
		Peach subgroup 12-12B	1.5
		Peanut	0.01
		Plum subgroup 12-12C	2.0
		Plum prune, dried	4.0
		Poultry, fat	0.015
		Poultry, meat byproducts	0.01
		Poultry, meat	0.01
		Rapeseed subgroup 20A	1.0
		Sheep, fat	0.20
		Sheep, meat byproducts	0.30
		Sheep, meat	0.03
		Soybean, seed	0.40
		Vegetable, legume, group 6, except lentil	0.15
		Vegetable, tuberous and corm, subgroup 1C	0.04
		Wheat, grain	0.30

The residue estimates derived from the parent tolerance in Table 1 include dietary exposure to the triazole metabolites due to the direct consumption of metabolite residues in foods as well as indirect exposure resulting from ingestion of parent triazole-derivative fungicides and the subsequent *in vivo* conversion of parent compound to T and/or TA/TAA. As with previous assessments, maximum direct exposure estimates and average indirect exposure estimates were combined to assess acute risks, and average direct and indirect exposure estimates were combined to assess chronic risks. An assumption of 100% crop treated was made for both the free triazole and the conjugated triazole assessments. Default processing factors have been used in these analyses. The residue estimates were derived using a Microsoft® Excel spreadsheet that takes into account the parent-compound tolerance, metabolism factors, and any empirical data that are available for the triazole metabolites. Conservative estimates of residues are chosen so that exposure will not be underestimated. The direct and indirect residue values are combined to give the overall residue estimates used in the dietary exposure analyses. The complete spreadsheet is available upon request.

III. Drinking Water Data

Residues of 1,2,4-triazole in drinking water were provided to HED by the Environmental Fate and Effects Division (I. Maher, D320682, 02/28/2006). Due to the inter-conversion between 1,2,4-triazole, triazole alanine, and triazole acetic acid that may occur in the environment, the

residue estimates used in these assessments are a summation of all three residues and, therefore, represent an overestimate of actual concentrations of the common triazole metabolites in drinking water. The Tier II PRZM/EXAMS (surface water) and SCIGROW (groundwater) residue estimates are summarized in Table 2. HED notes that there were no detects of 1,2,4-triazole in any of the 271 water samples analyzed by PDP, with a limit of quantification of 730 parts-per-trillion (0.73 ppb). The surface water estimates are significantly greater than those for groundwater, and were used in the assessments for free triazole as well as the conjugated metabolites.

Table 2. Summary of Estimated Drinking Water Concentrations of 1,2,4-Triazole.		
Exposure Duration	Surface Water Concentration, ppm	Groundwater Concentration, ppm
Acute	0.041	0.001
Chronic	0.011	0.001

IV. DEEM-FCID™ Program and Consumption Information

Triazole metabolite acute and chronic dietary exposure assessments were conducted using the DEEM-FCID, Version 3.16, which incorporates 2003-2008 consumption data from USDA's NHANES/WWEIA. The data are based on the reported consumption of more than 20,000 individuals over two non-consecutive survey days. Foods "as consumed" (e.g., apple pie) are linked to EPA-defined food commodities (e.g., apples, peeled fruit - cooked; fresh or N/S; baked; or wheat flour - cooked; fresh or N/S, baked) using publicly available recipe translation files developed jointly by USDA/ARS and EPA. For chronic exposure assessment, consumption data are averaged for the entire U.S. population and within population subgroups. However, for acute exposure assessment, consumption data are retained as individual consumption events. Based on analysis of the 2003-2008 WWEIA consumption data, which took into account dietary patterns and survey respondents, HED concluded that it is most appropriate to report risk for the following population subgroups: the general U.S. population, all infants (<1 year old), children 1-2, children 3-5, children 6-12, youth 13-19, adults 20-49, females 13-49, and adults 50-99 years old.

For a chronic dietary exposure assessment, an estimate of the residue level in each food or food-form (e.g., orange or orange juice) on the food commodity residue list is multiplied by the average daily consumption estimate for that food/food form to produce a residue intake estimate. The resulting residue intake estimate for each food/food form is summed with the residue intake estimates for all other food/food forms on the commodity residue list to arrive at the total average estimated exposure. Exposure is expressed in mg/kg body weight/day and as a percent of the cPAD. This procedure is performed for each population subgroup.

For an acute exposure assessment, individual one-day food consumption data are used on an individual-by-individual basis. The reported consumption amounts of each food item can be multiplied by a residue point estimate and summed to obtain a total daily pesticide exposure for a deterministic exposure assessment, or "matched" in multiple random pairings with residue values and then summed in a probabilistic assessment. The resulting distribution of exposures is expressed as a percentage of the aPAD on both a user (i.e., only those who reported eating relevant commodities/food forms) and a per-capita (i.e., those who reported eating the relevant commodities as well as those who did not) basis. In accordance with HED policy, per capita

exposure and risk are reported for analyses performed at all levels of refinement. However, for deterministic assessments, any significant differences in user vs. per capita exposure and risk are specifically identified and noted in the risk assessment.

V. Toxicological Information

1,2,4-Triazole and the conjugated metabolites are common metabolites of many triazole-derivative fungicides. As metabolites, there are no data requirements, *per se*, for these compounds. Nevertheless, a significant amount of toxicological data is available and has been reviewed by HED. The following summary tables (Tables 3 and 4) show the doses selected for assessing dietary exposure and their associated endpoints. Data are insufficient at this time to assign a cancer classification to 1,2,4-triazole. Available data indicate that cancers associated with 1,2,4-triazole and the conjugated metabolites are likely to be a threshold effect and that a Q₁* approach is not appropriate. An RfD-approach for assessing cancer has been recommended. As such, the chronic exposure assessments are considered to be protective of any potential cancer-related effects.

Table 3. Summary of Toxicological Doses and Endpoints for Dietary Exposure Risk Assessments of 1,2,4-Triazole				
Exposure/ Scenario	Point of Departure	Uncertainty/ FQPA Safety Factors	RfD, PAD, Level of Concern	Study and Toxicological Effects
Acute Dietary (females 13-49)	NOAEL = 30 mg/kg	UF _A = 10 UF _H = 10 UF _{DB} = 10 FQPA SF = 1	aPAD = <u>acute RfD</u> FQPA SF = 0.03 mg/kg/day	Developmental Toxicity study in rabbits LOAEL=45 mg/kg based on urinary tract malformations in fetuses
	Acute RfD= 0.03 mg/kg			
Acute Dietary (general population)	NOAEL = 30 mg/kg	UF _A = 10 UF _H = 10 UF _{DB} = 10 FQPA SF = 1	aPAD = <u>acute RfD</u> FQPA SF = 0.03 mg/kg/day	Developmental Toxicity study in rabbits LOAEL=45 mg/kg based on clinical signs and mortality in does starting on Gestation Day 6 or 7
	Acute RfD= 0.03 mg/kg			
Chronic Dietary (all populations)	LOAEL = 15 mg/kg/day	UF _A = 10 UF _H = 10 UF _{DB} = 10 UF _L = 3 FQPA SF = 1	cPAD = <u>chronic RfD</u> FQPA SF =0.005 mg/kg/day	Reproductive Toxicity study in rats LOAEL = 15 based on decreased body weight in adult males and on decreased body weight and brain weight in offspring
	Chronic RfD = 0.005 mg/kg/day			
Cancer	Insufficient data for a cancer classification. Based on the available information, HED believes that an RfD approach is appropriate and that the cPAD is sufficient to assess cancer risk.			

Point of Departure (POD) = A data point or an estimated point that is derived from observed dose-response data and used to mark the beginning of extrapolation to determine risk associated with lower environmentally relevant human exposures. NOAEL = no observed adverse effect level. LOAEL = lowest observed adverse effect level. UF = uncertainty factor. UF_A = extrapolation from animal to human (intraspecies). UF_H = potential variation in sensitivity among members of the human population (interspecies). UF_L = use of a LOAEL to extrapolate a NOAEL. UF_{DB} = to account for the absence of key data (i.e., lack of a critical study). FQPA SF = FQPA Safety Factor. PAD = population adjusted dose (a = acute, c = chronic). RfD = reference dose.

Table 4. Summary of Toxicological Doses and Endpoints for Dietary Exposure Risk Assessments of the Conjugated Triazole Metabolites (TA, TAA).				
Exposure/ Scenario	Point of Departure	Uncertainty/FQPA Safety Factors	RfD, PAD, Level of Concern	Study and Toxicological Effects
Acute Dietary (females 13-49)	NOAEL = 100 mg/kg	UF _A = 10 UF _H = 10 UF _{DB} = 10 FQPA SF = 1	aPAD = <u>acute RfD</u> FQPA SF = 0.1 mg/kg/day	Developmental Toxicity study in rabbits LOAEL=45 mg/kg based on urinary tract malformations in fetuses
	Acute RfD= 0.1 mg/kg			

Acute Dietary (general population)	None	None	None	No appropriate dose and endpoint could be identified for this population group.
Chronic Dietary (all populations)	LOAEL = 90 mg/kg/day Chronic RfD = 0.09 mg/kg/day	UF _A = 10 UF _H = 10 UF _{DB} = 10 FQPA SF = 1	cPAD = $\frac{\text{chronic RfD}}{\text{FQPA SF}}$ = 0.09 mg/kg/day	Reproductive Toxicity study in rats LOAEL = 15 based on decreased body weight in adult males and on decreased body weight and brain weight in offspring
Cancer	Insufficient data for a cancer classification. Based on the available information, HED believes that an RfD approach is appropriate and that the cPAD is sufficient to assess cancer risk.			

Point of Departure (POD) = A data point or an estimated point that is derived from observed dose-response data and used to mark the beginning of extrapolation to determine risk associated with lower environmentally relevant human exposures. NOAEL = no observed adverse effect level. LOAEL = lowest observed adverse effect level. UF = uncertainty factor. UF_A = extrapolation from animal to human (intraspecies). UF_H = potential variation in sensitivity among members of the human population (interspecies). UF_{DB} = to account for the absence of key data (i.e., lack of a critical study). FQPA SF = FQPA Safety Factor. PAD = population adjusted dose (a = acute, c = chronic). RfD = reference dose.

VI. Results/Discussion

As stated above, for acute and chronic assessments, HED is concerned when dietary risk exceeds 100% of the PAD. The DEEM-FCID™ analyses estimate the dietary exposure of the U.S. population and various population subgroups. The results reported in Table 5 are for the general U.S. Population, all infants (<1 year old), children 1-2, children 3-5, children 6-12, youth 13-19, females 13-49, adults 20-49, and adults 50-99 years. A quantitative cancer assessment is not required for the common triazole metabolites.

Acute and chronic dietary exposure estimates are below HED's level of concern for all population subgroups, including those of infants and children, for both 1,2,4-triazole as well as the conjugated triazole metabolites.

Table 5. Summary of Dietary (Food and Drinking Water) Exposure and Risk for the Common Triazole Metabolites Adding the New Uses for Difenoconazole and Mefentrifluconazole.						
Population Subgroup	Acute Dietary (95 th Percentile)		Chronic Dietary		Cancer	
	Dietary Exposure (mg/kg/day)	% aPAD*	Dietary Exposure (mg/kg/day)	% cPAD*	Dietary Exposure (mg/kg/day)	Risk
1,2,4-Triazole						
General U.S. Population	0.009002	30	0.001328	27		
All Infants (< 1 year old)	0.014285	48	0.002555	51		
Children 1-2 years old	0.025300	84	0.004563	91		
Children 3-5 years old	0.020754	69	0.003336	67		
Children 6-12 years old	0.011759	39	0.001721	34		
Youth 13-19 years old	0.007526	25	0.001034	21		
Adults 20-49 years old	0.006913	23	0.001073	22		
Adults 50-99 years old	0.006068	20	0.001024	21		
Females 13-49 years old	0.007007	23	0.001047	21		
Triazolylalanine + Triazolylacetic Acid						
General U.S. Population	Not Applicable	Not Applicable	0.015981	18	Not Applicable	Not Applicable
All Infants (< 1 year old)			0.024372	27		
Children 1-2 years old			0.055395	62		
Children 3-5 years old			0.042371	47		
Children 6-12 years old			0.022039	25		

Table 5. Summary of Dietary (Food and Drinking Water) Exposure and Risk for the Common Triazole Metabolites Adding the New Uses for Difenoconazole and Mefentrifluconazole.						
Population Subgroup	Acute Dietary (95 th Percentile)		Chronic Dietary		Cancer	
	Dietary Exposure (mg/kg/day)	% aPAD*	Dietary Exposure (mg/kg/day)	% cPAD*	Dietary Exposure (mg/kg/day)	Risk
Youth 13-19 years old			0.013123	15		
Adults 20-49 years old			0.012657	14		
Adults 50-99 years old			0.011987	13		
Females 13-49 years old	0.078714	79	0.012308	14		

* The values for the highest exposed population for each type of risk assessment are bolded.

VII. Characterization of Inputs/Outputs

Although these dietary exposure assessments are principally based on calculated residues, the data, selection criteria, and assumptions that serve as the source of those residues are conservative in nature. Most residue estimates used in the assessment are derived from tolerance-level residues of the parent triazole and it was assumed that 100% of foods with a triazole-derivative-fungicide tolerance have residues of the triazole metabolites (100% crop treated). For the new uses of difenoconazole and mefentrifluconazole; tolerance level residues were used. Overall, this assessment is considered to be conservative and likely overestimates actual direct and indirect dietary exposure to the triazole metabolites. Regulatory recommendations at the 95th percentile are appropriate.

VIII. Conclusions

Based on conservative estimates of direct and indirect dietary exposure, acute and chronic risk estimates for the general U.S. population and all representative population subgroups, including those of infants and children, are below HED's level of concern for both 1,2,4-triazole and the conjugated triazole metabolites. There were increases in the risk estimates from the addition of the new uses for difenoconazole and mefentrifluconazole. There are no dietary exposure considerations for the common triazole metabolites that would preclude granting the requested uses of the triazole fungicides difenoconazole and mefentrifluconazole.

IX. List of Attachments

- Attachment 1. Inputs for the acute dietary exposure and risk analysis of 1,2,4-triazole.
- Attachment 2. Inputs for the chronic dietary exposure and risk analysis of 1,2,4-triazole.
- Attachment 3. Inputs for the acute dietary exposure and risk analysis of the conjugated triazole metabolites.
- Attachment 4. Inputs for the chronic dietary exposure and risk analysis of the conjugated triazole metabolites.
- Attachment 5. Summary of the acute dietary exposure and risk estimates for 1,2,4-triazole.
- Attachment 6. Summary of the chronic dietary exposure and risk estimates for 1,2,4-triazole.
- Attachment 7. Summary of the acute dietary exposure and risk estimates for the conjugated triazole metabolites.

Attachment 8. Summary of the chronic dietary exposure and risk estimates for the conjugated triazole metabolites.

Attachment 1. Inputs for the acute dietary exposure and risk analysis of 1,2,4-triazole.

Filename: C:\Users\tmorton\OneDrive - Environmental Protection Agency (EPA)\DEEM Files\Triazole
 Risk Assessment Early 2019 - New AI Difen 1A Tea\TRIAZOLE ACUTE.R08
 Chemical: 1,2,4-Triazole
 RfD(Chronic): .005 mg/kg bw/day NOEL(Chronic): 0 mg/kg bw/day
 RfD(Acute): .03 mg/kg bw/day NOEL(Acute): 0 mg/kg bw/day
 Date created/last modified: 04-04-2019/08:48:02 Program ver. 3.16, FCID1

EPA Code	Crop Grp	Commodity Name	Def (ppm)	Res #1	Adj. Factors #2	Comment
0101050000	1AB	Beet, garden, roots	0.038420	1.000	1.000	
0101050001	1AB	Beet, garden, roots-babyfood	0.038420	1.000	1.000	
0101052000	1A	Beet, sugar	0.034140	1.000	1.000	
0101052001	1A	Beet, sugar-babyfood	0.034140	1.000	1.000	
0101053000	1A	Beet, sugar, molasses	0.085560	1.000	1.000	
0101053001	1A	Beet, sugar, molasses-babyfood	0.085560	1.000	1.000	
0101067000	1AB	Burdock	0.012500	1.000	1.000	
0101078000	1AB	Carrot	0.015930	1.000	1.000	
0101078001	1AB	Carrot-babyfood	0.015930	1.000	1.000	
0101079000	1AB	Carrot, juice	0.015930	1.000	1.000	
0101084000	1AB	Celeriac	0.012500	1.000	1.000	
0101100000	1AB	Chicory, roots	0.012500	1.000	1.000	
0101168000	1AB	Ginseng, dried	0.024570	1.000	1.000	
0101190000	1AB	Horseradish	0.012500	1.000	1.000	
0101250000	1AB	Parsley, turnip rooted	0.012500	1.000	1.000	
0101251000	1AB	Parsnip	0.012500	1.000	1.000	
0101251001	1AB	Parsnip-babyfood	0.012500	1.000	1.000	
0101314000	1AB	Radish, roots	0.010070	1.000	1.000	
0101316000	1AB	Radish, Oriental, roots	0.010070	1.000	1.000	
0101327000	1AB	Rutabaga	0.012500	1.000	1.000	
0101331000	1AB	Salsify, roots	0.012500	1.000	1.000	
0101388000	1AB	Turnip, roots	0.210070	1.000	1.000	
0103015000	1CD	Arrowroot, flour	0.032380	1.000	1.000	
0103015001	1CD	Arrowroot, flour-babyfood	0.032380	1.000	1.000	
0103017000	1CD	Artichoke, Jerusalem	0.032380	1.000	1.000	
0103082000	1CD	Cassava	0.032380	1.000	1.000	
0103082001	1CD	Cassava-babyfood	0.032380	1.000	1.000	
0103139000	1CD	Dasheen, corm	0.032380	1.000	1.000	
0103166000	1CD	Ginger	0.032380	1.000	1.000	
0103166001	1CD	Ginger-babyfood	0.032380	1.000	1.000	
0103167000	1CD	Ginger, dried	0.032380	1.000	1.000	
0103296000	1C	Potato, chips	0.032380	1.000	1.000	
0103297000	1C	Potato, dry (granules/ flakes)	0.032380	6.500	1.000	
0103297001	1C	Potato, dry (granules/ flakes)-b	0.032380	6.500	1.000	
0103298000	1C	Potato, flour	0.032380	1.000	1.000	
0103298001	1C	Potato, flour-babyfood	0.032380	1.000	1.000	
0103299000	1C	Potato, tuber, w/peel	0.032380	1.000	1.000	
0103299001	1C	Potato, tuber, w/peel-babyfood	0.032380	1.000	1.000	
0103300000	1C	Potato, tuber, w/o peel	0.032380	1.000	1.000	
0103300001	1C	Potato, tuber, w/o peel-babyfood	0.032380	1.000	1.000	
0103366000	1CD	Sweet potato	0.032380	1.000	1.000	
0103366001	1CD	Sweet potato-babyfood	0.032380	1.000	1.000	
0103371000	1CD	Tanier, corm	0.032380	1.000	1.000	
0103387000	1CD	Turmeric	0.032380	1.000	1.000	
0103406000	1CD	Yam, true	0.032380	1.000	1.000	
0103407000	1CD	Yam bean	0.032380	1.000	1.000	
0200051000	2	Beet, garden, tops	0.363650	1.000	1.000	
0200101000	2	Chicory, tops	0.002150	1.000	1.000	
0200140000	2	Dasheen, leaves	0.002150	1.000	1.000	
0200315000	2	Radish, tops	0.050770	1.000	1.000	
0200317000	2	Radish, Oriental, tops	0.050770	1.000	1.000	
0200332000	2	Salsify, tops	0.002150	1.000	1.000	
0301165000	3A	Garlic, bulb	0.012040	1.000	1.000	
0301165001	3A	Garlic, bulb-babyfood	0.012040	1.000	1.000	
0301237000	3A	Onion, bulb	0.012040	1.000	1.000	
0301237001	3A	Onion, bulb-babyfood	0.012040	1.000	1.000	
0301238000	3A	Onion, bulb, dried	0.012040	9.000	1.000	
0301238001	3A	Onion, bulb, dried-babyfood	0.012040	9.000	1.000	

0302198000	3B	Leek	0.446420	1.000	1.000
0302239000	3B	Onion, green	0.446420	1.000	1.000
0302338500	3B	Shallot, fresh leaves	0.012040	1.000	1.000
0401005000	4A	Amaranth, leafy	0.606930	1.000	1.000
0401018000	4A	Arugula	1.494140	1.000	1.000
0401104000	4A	Chrysanthemum, garland	0.606930	1.000	1.000
0401133000	4A	Cress, garden	1.494140	1.000	1.000
0401134000	4A	Cress, upland	1.494140	1.000	1.000
0401138000	4A	Dandelion, leaves	0.606930	1.000	1.000
0401150000	4A	Endive	0.606930	1.000	1.000
0401204000	4A	Lettuce, head	0.548470	1.000	1.000
0401205000	4A	Lettuce, leaf	0.606930	1.000	1.000
0401248000	4A	Parsley, leaves	0.686090	1.000	1.000
0401313000	4A	Radicchio	0.548470	1.000	1.000
0401355000	4A	Spinach	0.074130	1.000	1.000
0401355001	4A	Spinach-babyfood	0.074130	1.000	1.000
0402076000	4B	Cardoon	0.232640	1.000	1.000
0402085000	4B	Celery	0.232640	1.000	1.000
0402085001	4B	Celery-babyfood	0.232640	1.000	1.000
0402086000	4B	Celery, juice	0.232640	1.000	1.000
0402087000	4B	Celtuce	0.232640	1.000	1.000
0402152000	4B	Fennel, Florence	0.232640	1.000	1.000
0402322000	4B	Rhubarb	0.232640	1.000	1.000
0402367000	4B	Swiss chard	0.232640	1.000	1.000
0501061000	5A	Broccoli	0.027980	1.000	1.000
0501061001	5A	Broccoli-babyfood	0.027980	1.000	1.000
0501062000	5A	Broccoli, Chinese	0.333370	1.000	1.000
0501064000	5A	Brussels sprouts	0.027980	1.000	1.000
0501069000	5A	Cabbage	0.027980	1.000	1.000
0501071000	5A	Cabbage, Chinese, napa	0.027980	1.000	1.000
0501072000	5A	Cabbage, Chinese, mustard	0.027980	1.000	1.000
0501083000	5A	Cauliflower	0.027980	1.000	1.000
0501196000	5A	Kohlrabi	0.027980	1.000	1.000
0502063000	5B	Broccoli raab	0.344630	1.000	1.000
0502070000	5B	Cabbage, Chinese, bok choy	0.344630	1.000	1.000
0502117000	5B	Collards	0.344630	1.000	1.000
0502194000	5B	Kale	0.344630	1.000	1.000
0502229000	5B	Mustard greens	0.344630	1.000	1.000
0502318000	5B	Rape greens	0.344630	1.000	1.000
0502389000	5B	Turnip, greens	1.439930	1.000	1.000
0600347000	6	Soybean, seed	0.095510	1.000	1.000
0600349000	6	Soybean, soy milk	0.095510	1.000	1.000
0600349001	6	Soybean, soy milk-babyfood or in	0.095510	1.000	1.000
0600350000	6	Soybean, oil	0.104690	1.000	1.000
0600350001	6	Soybean, oil-babyfood	0.104690	1.000	1.000
0601043000	6A	Bean, snap, succulent	0.062400	1.000	1.000
0601043001	6A	Bean, snap, succulent-babyfood	0.062400	1.000	1.000
0601257000	6A	Pea, edible podded, succulent	0.013810	1.000	1.000
0602031000	6B	Bean, broad, succulent	0.011730	1.000	1.000
0602033000	6B	Bean, cowpea, succulent	0.011730	1.000	1.000
0602037000	6B	Bean, lima, succulent	0.011730	1.000	1.000
0602255000	6B	Pea, succulent	0.013810	1.000	1.000
0602255001	6B	Pea, succulent-babyfood	0.013810	1.000	1.000
0602259000	6B	Pea, pigeon, succulent	0.013810	1.000	1.000
0603030000	6C	Bean, black, seed	0.062250	1.000	1.000
0603032000	6C	Bean, broad, seed	0.062250	1.000	1.000
0603034000	6C	Bean, cowpea, seed	0.062250	1.000	1.000
0603035000	6C	Bean, great northern, seed	0.062250	1.000	1.000
0603036000	6C	Bean, kidney, seed	0.062250	1.000	1.000
0603038000	6C	Bean, lima, seed	0.062250	1.000	1.000
0603039000	6C	Bean, mung, seed	0.062250	1.000	1.000
0603040000	6C	Bean, navy, seed	0.062250	1.000	1.000
0603041000	6C	Bean, pink, seed	0.062250	1.000	1.000
0603042000	6C	Bean, pinto, seed	0.065400	1.000	1.000
0603098000	6C	Chickpea, seed	0.059550	1.000	1.000
0603098001	6C	Chickpea, seed-babyfood	0.059550	1.000	1.000
0603099000	6C	Chickpea, flour	0.059550	1.000	1.000
0603182000	6C	Guar, seed	0.062250	1.000	1.000
0603182001	6C	Guar, seed-babyfood	0.062250	1.000	1.000
0603203000	6C	Lentil, seed	0.111290	1.000	1.000
0603256000	6C	Pea, dry	0.065400	1.000	1.000

0603256001	6C	Pea, dry-babyfood	0.065400	1.000	1.000
0603258000	6C	Pea, pigeon, seed	0.065400	1.000	1.000
0603348000	6C	Soybean, flour	0.095510	1.000	1.000
0603348001	6C	Soybean, flour-babyfood	0.095510	1.000	1.000
0801374000	8A	Tomatillo	0.388990	1.000	1.000
0801375000	8A	Tomato	0.388990	1.000	1.000
0801375001	8A	Tomato-babyfood	0.388990	1.000	1.000
0801376000	8A	Tomato, paste	0.393160	5.400	1.000
0801376001	8A	Tomato, paste-babyfood	0.393160	5.400	1.000
0801377000	8A	Tomato, puree	0.389680	3.300	1.000
0801377001	8A	Tomato, puree-babyfood	0.389680	3.300	1.000
0801378000	8A	Tomato, dried	0.388990	14.300	1.000
0801378001	8A	Tomato, dried-babyfood	0.388990	14.300	1.000
0801379000	8A	Tomato, juice	0.388990	1.500	1.000
0802148000	8BC	Eggplant	0.034530	1.000	1.000
0802234000	8BC	Okra	0.034330	1.000	1.000
0802270000	8B	Pepper, bell	0.067060	1.000	1.000
0802270001	8B	Pepper, bell-babyfood	0.067060	1.000	1.000
0802271000	8B	Pepper, bell, dried	0.084380	1.000	1.000
0802271001	8B	Pepper, bell, dried-babyfood	0.084380	1.000	1.000
0802272000	8BC	Pepper, nonbell	0.067060	1.000	1.000
0802272001	8BC	Pepper, nonbell-babyfood	0.067060	1.000	1.000
0802273000	8BC	Pepper, nonbell, dried	0.084380	1.000	1.000
0901075000	9A	Cantaloupe	0.019940	1.000	1.000
0901187000	9A	Honeydew melon	0.019940	1.000	1.000
0901399000	9A	Watermelon	0.019940	1.000	1.000
0901400000	9A	Watermelon, juice	0.019940	1.000	1.000
0902021000	9B	Balsam pear	0.028320	1.000	1.000
0902088000	9B	Chayote, fruit	0.028320	1.000	1.000
0902102000	9B	Chinese waxgourd	0.028320	1.000	1.000
0902135000	9B	Cucumber	0.028320	1.000	1.000
0902308000	9B	Pumpkin	0.028320	1.000	1.000
0902309000	9B	Pumpkin, seed	0.028320	1.000	1.000
0902356000	9B	Squash, summer	0.028320	1.000	1.000
0902356001	9B	Squash, summer-babyfood	0.028320	1.000	1.000
0902357000	9B	Squash, winter	0.028320	1.000	1.000
0902357001	9B	Squash, winter-babyfood	0.028320	1.000	1.000
1001106000	10A	Citron	0.366210	1.000	1.000
1001107000	10A	Citrus hybrids	0.380110	1.000	1.000
1001108000	10A	Citrus, oil	43.067500	1.000	1.000
1001240000	10A	Orange	0.366210	1.000	1.000
1001241000	10A	Orange, juice	0.366210	1.800	1.000
1001241001	10A	Orange, juice-babyfood	0.366210	1.800	1.000
1001242000	10A	Orange, peel	0.366210	1.000	1.000
1001369000	10A	Tangerine	0.366210	1.000	1.000
1001370000	10A	Tangerine, juice	0.366210	2.300	1.000
1002197000	10B	Kumquat	0.380110	1.000	1.000
1002199000	10B	Lemon	0.380110	1.000	1.000
1002200000	10B	Lemon, juice	0.380110	2.000	1.000
1002200001	10B	Lemon, juice-babyfood	0.380110	2.000	1.000
1002201000	10B	Lemon, peel	0.380110	1.000	1.000
1002206000	10B	Lime	0.380110	1.000	1.000
1002207000	10B	Lime, juice	0.380110	2.000	1.000
1002207001	10B	Lime, juice-babyfood	0.380110	2.000	1.000
1003180000	10C	Grapefruit	0.362740	1.000	1.000
1003181000	10C	Grapefruit, juice	0.362740	2.100	1.000
1003307000	10C	Pummelo	0.362740	1.000	1.000
1100007000	11	Apple, fruit with peel	0.105460	1.000	1.000
1100008000	11	Apple, peeled fruit	0.105460	1.000	1.000
1100008001	11	Apple, peeled fruit-babyfood	0.105460	1.000	1.000
1100009000	11	Apple, dried	0.105460	8.000	1.000
1100009001	11	Apple, dried-babyfood	0.105460	8.000	1.000
1100010000	11	Apple, juice	0.105460	1.300	1.000
1100010001	11	Apple, juice-babyfood	0.105460	1.300	1.000
1100011000	11	Apple, sauce	0.105460	1.000	1.000
1100011001	11	Apple, sauce-babyfood	0.105460	1.000	1.000
1100129000	11	Crabapple	0.132250	1.000	1.000
1100210000	11	Loquat	0.132250	1.000	1.000
1100266000	11	Pear	0.132250	1.000	1.000
1100266001	11	Pear-babyfood	0.132250	1.000	1.000
1100267000	11	Pear, dried	0.132250	6.250	1.000

1100268000	11	Pear, juice	0.132250	1.300	1.000
1100268001	11	Pear, juice-babyfood	0.132250	1.300	1.000
1100310000	11	Quince	0.132250	1.000	1.000
1201090000	12A	Cherry	0.290670	1.000	1.000
1201090001	12A	Cherry-babyfood	0.290670	1.000	1.000
1201091000	12A	Cherry, juice	0.290670	1.500	1.000
1201091001	12A	Cherry, juice-babyfood	0.290670	1.500	1.000
1202012000	12B	Apricot	0.233740	1.000	1.000
1202012001	12B	Apricot-babyfood	0.233740	1.000	1.000
1202013000	12B	Apricot, dried	0.233740	6.000	1.000
1202014000	12B	Apricot, juice	0.233740	1.000	1.000
1202014001	12B	Apricot, juice-babyfood	0.233740	1.000	1.000
1202230000	12B	Nectarine	0.222890	1.000	1.000
1202260000	12B	Peach	0.222890	1.000	1.000
1202260001	12B	Peach-babyfood	0.222890	1.000	1.000
1202261000	12B	Peach, dried	0.222890	7.000	1.000
1202261001	12B	Peach, dried-babyfood	0.222890	7.000	1.000
1202262000	12B	Peach, juice	0.222890	1.000	1.000
1202262001	12B	Peach, juice-babyfood	0.222890	1.000	1.000
1203285000	12C	Plum	0.162150	1.000	1.000
1203285001	12C	Plum-babyfood	0.162150	1.000	1.000
1203286000	12C	Plum, prune, fresh	0.162150	1.000	1.000
1203286001	12C	Plum, prune, fresh-babyfood	0.162150	1.000	1.000
1203287000	12C	Plum, prune, dried	0.232820	5.000	1.000
1203287001	12C	Plum, prune, dried-babyfood	0.232820	5.000	1.000
1203288000	12C	Plum, prune, juice	0.162150	1.400	1.000
1203288001	12C	Plum, prune, juice-babyfood	0.162150	1.400	1.000
1301055000	13A	Blackberry	0.069330	1.000	1.000
1301056000	13A	Blackberry, juice	0.069330	1.000	1.000
1301056001	13A	Blackberry, juice-babyfood	0.069330	1.000	1.000
1301058000	13A	Boysenberry	0.069330	1.000	1.000
1301208000	13A	Loganberry	0.069330	1.000	1.000
1301320000	13A	Raspberry	0.069330	1.000	1.000
1301320001	13A	Raspberry-babyfood	0.069330	1.000	1.000
1301321000	13A	Raspberry, juice	0.069330	1.000	1.000
1301321001	13A	Raspberry, juice-babyfood	0.069330	1.000	1.000
1302057000	13B	Blueberry	0.081700	1.000	1.000
1302057001	13B	Blueberry-babyfood	0.081700	1.000	1.000
1302136000	13B	Currant	0.180980	1.000	1.000
1302137000	13B	Currant, dried	0.180980	4.300	1.000
1302149000	13B	Elderberry	0.066410	1.000	1.000
1302174000	13B	Gooseberry	0.339150	1.000	1.000
1302191000	13B	Huckleberry	0.066410	1.000	1.000
1304175000	13D	Grape	0.109990	1.000	1.000
1304176000	13D	Grape, juice	0.109990	1.200	1.000
1304176001	13D	Grape, juice-babyfood	0.109990	1.200	1.000
1304179000	13D	Grape, wine and sherry	0.109990	1.200	1.000
1304195000	13D	Kiwifruit, fuzzy	0.389840	1.000	1.000
1307130000	13G	Cranberry	0.049340	1.000	1.000
1307130001	13G	Cranberry-babyfood	0.049340	1.000	1.000
1307131000	13G	Cranberry, dried	0.049340	4.300	1.000
1307132000	13G	Cranberry, juice	0.049340	1.100	1.000
1307132001	13G	Cranberry, juice-babyfood	0.049340	1.100	1.000
1307359000	13G	Strawberry	0.080660	1.000	1.000
1307359001	13G	Strawberry-babyfood	0.080660	1.000	1.000
1307360000	13G	Strawberry, juice	0.080660	1.000	1.000
1307360001	13G	Strawberry, juice-babyfood	0.080660	1.000	1.000
1400003000	14	Almond	0.043790	1.000	1.000
1400003001	14	Almond-babyfood	0.043790	1.000	1.000
1400004000	14	Almond, oil	0.043790	1.000	1.000
1400004001	14	Almond, oil-babyfood	0.043790	1.000	1.000
1400059000	14	Brazil nut	0.007320	1.000	1.000
1400068000	14	Butternut	0.007320	1.000	1.000
1400081000	14	Cashew	0.007320	1.000	1.000
1400092000	14	Chestnut	0.043280	1.000	1.000
1400155000	14	Hazelnut	0.007320	1.000	1.000
1400156000	14	Hazelnut, oil	0.007320	1.000	1.000
1400185000	14	Hickory nut	0.007320	1.000	1.000
1400213000	14	Macadamia nut	0.007320	1.000	1.000
1400269000	14	Pecan	0.007240	1.000	1.000
1400282000	14	Pistachio	0.043280	1.000	1.000

1400391000	14	Walnut	0.007320	1.000	1.000
1500025000	15	Barley, pearled barley	0.159910	1.000	1.000
1500025001	15	Barley, pearled barley-babyfood	0.159910	1.000	1.000
1500026000	15	Barley, flour	0.162510	1.000	1.000
1500026001	15	Barley, flour-babyfood	0.162510	1.000	1.000
1500027000	15	Barley, bran	0.171750	1.000	1.000
1500065000	15	Buckwheat	0.027870	1.000	1.000
1500066000	15	Buckwheat, flour	0.027870	1.000	1.000
1500120000	15	Corn, field, flour	0.019710	1.000	1.000
1500120001	15	Corn, field, flour-babyfood	0.019710	1.000	1.000
1500121000	15	Corn, field, meal	0.019710	1.000	1.000
1500121001	15	Corn, field, meal-babyfood	0.019710	1.000	1.000
1500122000	15	Corn, field, bran	0.019710	1.000	1.000
1500123000	15	Corn, field, starch	0.019710	1.000	1.000
1500123001	15	Corn, field, starch-babyfood	0.019710	1.000	1.000
1500124000	15	Corn, field, syrup	0.019710	1.500	1.000
1500124001	15	Corn, field, syrup-babyfood	0.019710	1.500	1.000
1500125000	15	Corn, field, oil	0.019730	1.000	1.000
1500125001	15	Corn, field, oil-babyfood	0.019730	1.000	1.000
1500126000	15	Corn, pop	0.016100	1.000	1.000
1500127000	15	Corn, sweet	0.024670	1.000	1.000
1500127001	15	Corn, sweet-babyfood	0.024670	1.000	1.000
1500226000	15	Millet, grain	0.164020	1.000	1.000
1500231000	15	Oat, bran	0.141320	1.000	1.000
1500232000	15	Oat, flour	0.138300	1.000	1.000
1500232001	15	Oat, flour-babyfood	0.138300	1.000	1.000
1500233000	15	Oat, groats/rolled oats	0.138300	1.000	1.000
1500233001	15	Oat, groats/rolled oats-babyfood	0.138300	1.000	1.000
1500323000	15	Rice, white	0.448140	1.000	1.000
1500323001	15	Rice, white-babyfood	0.448140	1.000	1.000
1500324000	15	Rice, brown	0.448140	1.000	1.000
1500324001	15	Rice, brown-babyfood	0.448140	1.000	1.000
1500325000	15	Rice, flour	0.448140	1.000	1.000
1500325001	15	Rice, flour-babyfood	0.448140	1.000	1.000
1500326000	15	Rice, bran	0.784520	1.000	1.000
1500326001	15	Rice, bran-babyfood	0.784520	1.000	1.000
1500328000	15	Rye, grain	0.102630	1.000	1.000
1500329000	15	Rye, flour	0.102630	1.000	1.000
1500344000	15	Sorghum, grain	0.266570	1.000	1.000
1500345000	15	Sorghum, syrup	0.266570	1.000	1.000
1500381000	15	Triticale, flour	0.025950	1.000	1.000
1500381001	15	Triticale, flour-babyfood	0.025950	1.000	1.000
1500401000	15	Wheat, grain	0.025080	1.000	1.000
1500401001	15	Wheat, grain-babyfood	0.025080	1.000	1.000
1500402000	15	Wheat, flour	0.025700	1.000	1.000
1500402001	15	Wheat, flour-babyfood	0.025700	1.000	1.000
1500403000	15	Wheat, germ	0.030130	1.000	1.000
1500404000	15	Wheat, bran	0.026780	1.000	1.000
1500405000	15	Wild rice	0.253620	1.000	1.000
1901118000	19A	Cilantro, leaves	0.697980	1.000	1.000
1901118001	19A	Cilantro, leaves-babyfood	0.697980	1.000	1.000
1901249000	19A	Parsley, dried leaves	1.766010	1.000	1.000
1901249001	19A	Parsley, dried leaves-babyfood	1.766010	1.000	1.000
1902143000	19B	Dill, seed	0.756860	1.000	1.000
2001163000	20A	Flax seed, oil	0.081770	1.000	1.000
2001319000	20A	Rapeseed, oil	0.096250	1.000	1.000
2001319001	20A	Rapeseed, oil-babyfood	0.096250	1.000	1.000
2001336000	20A	Sesame, seed	0.178640	1.000	1.000
2001336001	20A	Sesame, seed-babyfood	0.178640	1.000	1.000
2001337000	20A	Sesame, oil	0.178640	1.000	1.000
2001337001	20A	Sesame, oil-babyfood	0.178640	1.000	1.000
2002330000	20B	Safflower, oil	0.126940	1.000	1.000
2002330001	20B	Safflower, oil-babyfood	0.126940	1.000	1.000
2002364000	20B	Sunflower, seed	0.126940	1.000	1.000
2002365000	20B	Sunflower, oil	0.126940	1.000	1.000
2002365001	20B	Sunflower, oil-babyfood	0.126940	1.000	1.000
2003128000	20C	Cottonseed, oil	0.101740	1.000	1.000
2003128001	20C	Cottonseed, oil-babyfood	0.101740	1.000	1.000
2100228000	21	Mushroom	0.005050	1.000	1.000
3100044000	31	Beef, meat	0.007060	1.000	1.000
3100044001	31	Beef, meat-babyfood	0.007060	1.000	1.000

3100045000	31	Beef, meat, dried	0.007060	1.920	1.000
3100046000	31	Beef, meat byproducts	0.020790	1.000	1.000
3100046001	31	Beef, meat byproducts-babyfood	0.020790	1.000	1.000
3100047000	31	Beef, fat	0.015490	1.000	1.000
3100047001	31	Beef, fat-babyfood	0.015490	1.000	1.000
3100048000	31	Beef, kidney	0.093740	1.000	1.000
3100049000	31	Beef, liver	0.120100	1.000	1.000
3100049001	31	Beef, liver-babyfood	0.120100	1.000	1.000
3200169000	32	Goat, meat	0.007060	1.000	1.000
3200170000	32	Goat, meat byproducts	0.020790	1.000	1.000
3200171000	32	Goat, fat	0.015490	1.000	1.000
3200172000	32	Goat, kidney	0.093740	1.000	1.000
3200173000	32	Goat, liver	0.120100	1.000	1.000
3300189000	33	Horse, meat	0.006560	1.000	1.000
3400290000	34	Pork, meat	0.006470	1.000	1.000
3400290001	34	Pork, meat-babyfood	0.006470	1.000	1.000
3400291000	34	Pork, skin	0.005580	1.000	1.000
3400292000	34	Pork, meat byproducts	0.013270	1.000	1.000
3400292001	34	Pork, meat byproducts-babyfood	0.013270	1.000	1.000
3400293000	34	Pork, fat	0.005300	1.000	1.000
3400293001	34	Pork, fat-babyfood	0.005300	1.000	1.000
3400294000	34	Pork, kidney	0.013030	1.000	1.000
3400295000	34	Pork, liver	0.055870	1.000	1.000
3500339000	35	Sheep, meat	0.007060	1.000	1.000
3500339001	35	Sheep, meat-babyfood	0.007060	1.000	1.000
3500340000	35	Sheep, meat byproducts	0.020790	1.000	1.000
3500341000	35	Sheep, fat	0.015490	1.000	1.000
3500341001	35	Sheep, fat-babyfood	0.015490	1.000	1.000
3500342000	35	Sheep, kidney	0.093740	1.000	1.000
3500343000	35	Sheep, liver	0.120100	1.000	1.000
3600222000	36	Milk, fat	0.056510	1.000	1.000
3600222001	36	Milk, fat-baby food/infant formu	0.056510	1.000	1.000
3600223000	36	Milk, nonfat solids	0.008100	1.000	1.000
3600223001	36	Milk, nonfat solids-baby food/in	0.008100	1.000	1.000
3600224000	36	Milk, water	0.008100	1.000	1.000
3600224001	36	Milk, water-babyfood/infant form	0.008100	1.000	1.000
3600225001	36	Milk, sugar (lactose)-baby food/	0.008100	1.000	1.000
3800221000	38	Meat, game	0.006860	1.000	1.000
3900312000	39	Rabbit, meat	0.007320	1.000	1.000
4000093000	40	Chicken, meat	0.002170	1.000	1.000
4000093001	40	Chicken, meat-babyfood	0.002170	1.000	1.000
4000094000	40	Chicken, liver	0.004260	1.000	1.000
4000095000	40	Chicken, meat byproducts	0.004260	1.000	1.000
4000095001	40	Chicken, meat byproducts-babyfoo	0.004260	1.000	1.000
4000096000	40	Chicken, fat	0.004480	1.000	1.000
4000096001	40	Chicken, fat-babyfood	0.004480	1.000	1.000
4000097000	40	Chicken, skin	0.004260	1.000	1.000
4000097001	40	Chicken, skin-babyfood	0.004260	1.000	1.000
5000382000	50	Turkey, meat	0.002170	1.000	1.000
5000382001	50	Turkey, meat-babyfood	0.002170	1.000	1.000
5000383000	50	Turkey, liver	0.004260	1.000	1.000
5000383001	50	Turkey, liver-babyfood	0.004260	1.000	1.000
5000384000	50	Turkey, meat byproducts	0.004260	1.000	1.000
5000384001	50	Turkey, meat byproducts-babyfood	0.004260	1.000	1.000
5000385000	50	Turkey, fat	0.004480	1.000	1.000
5000385001	50	Turkey, fat-babyfood	0.004480	1.000	1.000
5000386000	50	Turkey, skin	0.004260	1.000	1.000
5000386001	50	Turkey, skin-babyfood	0.004260	1.000	1.000
6000301000	60	Poultry, other, meat	0.002170	1.000	1.000
6000302000	60	Poultry, other, liver	0.004260	1.000	1.000
6000303000	60	Poultry, other, meat byproducts	0.004260	1.000	1.000
6000304000	60	Poultry, other, fat	0.004480	1.000	1.000
6000305000	60	Poultry, other, skin	0.004260	1.000	1.000
7000145000	70	Egg, whole	0.003810	1.000	1.000
7000145001	70	Egg, whole-babyfood	0.003810	1.000	1.000
7000146000	70	Egg, white	0.003810	1.000	1.000
7000146001	70	Egg, white (solids)-babyfood	0.003810	1.000	1.000
7000147000	70	Egg, yolk	0.003810	1.000	1.000
7000147001	70	Egg, yolk-babyfood	0.003810	1.000	1.000
8601000000	86A	Water, direct, all sources	0.041000	1.000	1.000
8602000000	86B	Water, indirect, all sources	0.041000	1.000	1.000

9500016000 O	Artichoke, globe	0.071670	1.000	1.000
9500019000 O	Asparagus	0.002790	1.000	1.000
9500020000 O	Avocado	0.504570	1.000	1.000
9500023000 O	Banana	0.050450	1.000	1.000
9500023001 O	Banana-babyfood	0.050450	1.000	1.000
9500024000 O	Banana, dried	0.050450	3.900	1.000
9500024001 O	Banana, dried-babyfood	0.050450	3.900	1.000
9500074000 O	Canistel	0.215260	1.000	1.000
9500115000 O	Coffee, roasted bean	0.019150	1.000	1.000
9500116000 O	Coffee, instant	0.019150	1.000	1.000
9500177000 O	Grape, leaves	0.109990	1.000	1.000
9500178000 O	Grape, raisin	0.214720	4.300	1.000
9500183000 O	Guava	0.173410	1.000	1.000
9500183001 O	Guava-babyfood	0.173410	1.000	1.000
9500188000 O	Hop	1.883480	1.000	1.000
9500209000 O	Longan	0.091190	1.000	1.000
9500211000 O	Lychee	0.091190	1.000	1.000
9500212000 O	Lychee, dried	0.091190	1.850	1.000
9500215000 O	Mango	0.168590	1.000	1.000
9500215001 O	Mango-babyfood	0.168590	1.000	1.000
9500216000 O	Mango, dried	0.168590	1.000	1.000
9500217000 O	Mango, juice	0.168590	1.000	1.000
9500217001 O	Mango, juice-babyfood	0.168590	1.000	1.000
9500245000 O	Papaya	0.186520	1.000	1.000
9500245001 O	Papaya-babyfood	0.186520	1.000	1.000
9500246000 O	Papaya, dried	0.186520	1.800	1.000
9500247000 O	Papaya, juice	0.186520	1.500	1.000
9500254000 O	Pawpaw	0.091190	1.000	1.000
9500263000 O	Peanut	0.078190	1.000	1.000
9500264000 O	Peanut, butter	0.079350	1.890	1.000
9500265000 O	Peanut, oil	0.079190	1.000	1.000
9500275000 O	Peppermint	0.489990	1.000	1.000
9500276000 O	Peppermint, oil	0.489990	1.000	1.000
9500279000 O	Pineapple	0.281950	1.000	1.000
9500279001 O	Pineapple-babyfood	0.281950	1.000	1.000
9500280000 O	Pineapple, dried	0.281950	5.000	1.000
9500281000 O	Pineapple, juice	0.281950	1.700	1.000
9500281001 O	Pineapple, juice-babyfood	0.281950	1.700	1.000
9500283000 O	Plantain	0.050450	1.000	1.000
9500284000 O	Plantain, dried	0.050450	3.900	1.000
9500333000 O	Sapote, Mamey	0.215260	1.000	1.000
9500351000 O	Spanish lime	0.091190	1.000	1.000
9500352000 O	Spearmint	0.489990	1.000	1.000
9500353000 O	Spearmint, oil	0.489990	1.000	1.000
9500362000 O	Sugarcane, sugar	0.012010	1.000	1.000
9500362001 O	Sugarcane, sugar-babyfood	0.012010	1.000	1.000
9500363000 O	Sugarcane, molasses	0.012010	1.000	1.000
9500363001 O	Sugarcane, molasses-babyfood	0.012010	1.000	1.000
9500368000 O	Tamarind	0.091190	1.000	1.000
9500372000 O	Tea, dried	1.533130	1.000	1.000
9500373000 O	Tea, instant	1.533130	1.000	1.000
9500398000 O	Watercress	0.089800	1.000	1.000

Attachment 2. Inputs for the chronic dietary exposure and risk analysis of 1,2,4-triazole.

Filename: C:\Users\tmorton\OneDrive - Environmental Protection Agency (EPA)\DEEM Files\Triazole Risk Assessment Early 2019 - New AI Difen 1A Tea\TRIAZOLE CHRONIC.R08

Chemical: 1,2,4-Triazole

RfD(Chronic): .005 mg/kg bw/day NOEL(Chronic): 0 mg/kg bw/day

RfD(Acute): .03 mg/kg bw/day NOEL(Acute): 0 mg/kg bw/day

Date created/last modified: 04-04-2019/08:48:02 Program ver. 3.16, FCID1

EPA Code	Crop Grp	Commodity Name	Def (ppm)	Res #1	Adj. Factors #2	Comment
0101050000	1AB	Beet, garden, roots	0.021010	1.000	1.000	
0101050001	1AB	Beet, garden, roots-babyfood	0.021010	1.000	1.000	
0101052000	1A	Beet, sugar	0.028050	1.000	1.000	
0101052001	1A	Beet, sugar-babyfood	0.028050	1.000	1.000	
0101053000	1A	Beet, sugar, molasses	0.037530	1.000	1.000	
0101053001	1A	Beet, sugar, molasses-babyfood	0.037530	1.000	1.000	
0101067000	1AB	Burdock	0.010720	1.000	1.000	
0101078000	1AB	Carrot	0.011350	1.000	1.000	
0101078001	1AB	Carrot-babyfood	0.011350	1.000	1.000	
0101079000	1AB	Carrot, juice	0.011350	1.000	1.000	
0101084000	1AB	Celeriac	0.010720	1.000	1.000	
0101100000	1AB	Chicory, roots	0.010720	1.000	1.000	
0101168000	1AB	Ginseng, dried	0.014740	1.000	1.000	
0101190000	1AB	Horseradish	0.010720	1.000	1.000	
0101250000	1AB	Parsley, turnip rooted	0.010720	1.000	1.000	
0101251000	1AB	Parsnip	0.010720	1.000	1.000	
0101251001	1AB	Parsnip-babyfood	0.010720	1.000	1.000	
0101314000	1AB	Radish, roots	0.007480	1.000	1.000	
0101316000	1AB	Radish, Oriental, roots	0.007480	1.000	1.000	
0101327000	1AB	Rutabaga	0.010720	1.000	1.000	
0101331000	1AB	Salsify, roots	0.010720	1.000	1.000	
0101388000	1AB	Turnip, roots	0.195020	1.000	1.000	
0103015000	1CD	Arrowroot, flour	0.029680	1.000	1.000	
0103015001	1CD	Arrowroot, flour-babyfood	0.029680	1.000	1.000	
0103017000	1CD	Artichoke, Jerusalem	0.029680	1.000	1.000	
0103082000	1CD	Cassava	0.029680	1.000	1.000	
0103082001	1CD	Cassava-babyfood	0.029680	1.000	1.000	
0103139000	1CD	Dasheen, corm	0.029680	1.000	1.000	
0103166000	1CD	Ginger	0.029680	1.000	1.000	
0103166001	1CD	Ginger-babyfood	0.029680	1.000	1.000	
0103167000	1CD	Ginger, dried	0.029680	1.000	1.000	
0103296000	1C	Potato, chips	0.029680	1.000	1.000	
0103297000	1C	Potato, dry (granules/ flakes)	0.029680	6.500	1.000	
0103297001	1C	Potato, dry (granules/ flakes)-b	0.029680	6.500	1.000	
0103298000	1C	Potato, flour	0.029680	1.000	1.000	
0103298001	1C	Potato, flour-babyfood	0.029680	1.000	1.000	
0103299000	1C	Potato, tuber, w/peel	0.029680	1.000	1.000	
0103299001	1C	Potato, tuber, w/peel-babyfood	0.029680	1.000	1.000	
0103300000	1C	Potato, tuber, w/o peel	0.029680	1.000	1.000	
0103300001	1C	Potato, tuber, w/o peel-babyfood	0.029680	1.000	1.000	
0103366000	1CD	Sweet potato	0.029680	1.000	1.000	
0103366001	1CD	Sweet potato-babyfood	0.029680	1.000	1.000	
0103371000	1CD	Tanier, corm	0.029680	1.000	1.000	
0103387000	1CD	Turmeric	0.029680	1.000	1.000	
0103406000	1CD	Yam, true	0.029680	1.000	1.000	
0103407000	1CD	Yam bean	0.029680	1.000	1.000	
0200051000	2	Beet, garden, tops	0.202910	1.000	1.000	
0200101000	2	Chicory, tops	0.002150	1.000	1.000	
0200140000	2	Dasheen, leaves	0.002150	1.000	1.000	
0200315000	2	Radish, tops	0.048990	1.000	1.000	
0200317000	2	Radish, Oriental, tops	0.048990	1.000	1.000	
0200332000	2	Salsify, tops	0.002150	1.000	1.000	
0301165000	3A	Garlic, bulb	0.011020	1.000	1.000	
0301165001	3A	Garlic, bulb-babyfood	0.011020	1.000	1.000	
0301237000	3A	Onion, bulb	0.011020	1.000	1.000	
0301237001	3A	Onion, bulb-babyfood	0.011020	1.000	1.000	
0301238000	3A	Onion, bulb, dried	0.011020	9.000	1.000	
0301238001	3A	Onion, bulb, dried-babyfood	0.011020	9.000	1.000	

0302198000	3B	Leek	0.225340	1.000	1.000
0302239000	3B	Onion, green	0.225340	1.000	1.000
0302338500	3B	Shallot, fresh leaves	0.011020	1.000	1.000
0401005000	4A	Amaranth, leafy	0.394170	1.000	1.000
0401018000	4A	Arugula	0.738500	1.000	1.000
0401104000	4A	Chrysanthemum, garland	0.394170	1.000	1.000
0401133000	4A	Cress, garden	0.738500	1.000	1.000
0401134000	4A	Cress, upland	0.738500	1.000	1.000
0401138000	4A	Dandelion, leaves	0.394170	1.000	1.000
0401150000	4A	Endive	0.394170	1.000	1.000
0401204000	4A	Lettuce, head	0.335710	1.000	1.000
0401205000	4A	Lettuce, leaf	0.394170	1.000	1.000
0401248000	4A	Parsley, leaves	0.481430	1.000	1.000
0401313000	4A	Radicchio	0.335710	1.000	1.000
0401355000	4A	Spinach	0.072350	1.000	1.000
0401355001	4A	Spinach-babyfood	0.072350	1.000	1.000
0402076000	4B	Cardoon	0.118570	1.000	1.000
0402085000	4B	Celery	0.118570	1.000	1.000
0402085001	4B	Celery-babyfood	0.118570	1.000	1.000
0402086000	4B	Celery, juice	0.118570	1.000	1.000
0402087000	4B	Celtuce	0.118570	1.000	1.000
0402152000	4B	Fennel, Florence	0.118570	1.000	1.000
0402322000	4B	Rhubarb	0.118570	1.000	1.000
0402367000	4B	Swiss chard	0.118570	1.000	1.000
0501061000	5A	Broccoli	0.026800	1.000	1.000
0501061001	5A	Broccoli-babyfood	0.026800	1.000	1.000
0501062000	5A	Broccoli, Chinese	0.252080	1.000	1.000
0501064000	5A	Brussels sprouts	0.026800	1.000	1.000
0501069000	5A	Cabbage	0.026800	1.000	1.000
0501071000	5A	Cabbage, Chinese, napa	0.026800	1.000	1.000
0501072000	5A	Cabbage, Chinese, mustard	0.026800	1.000	1.000
0501083000	5A	Cauliflower	0.026800	1.000	1.000
0501196000	5A	Kohlrabi	0.026800	1.000	1.000
0502063000	5B	Broccoli raab	0.258160	1.000	1.000
0502070000	5B	Cabbage, Chinese, bok choy	0.258160	1.000	1.000
0502117000	5B	Collards	0.258160	1.000	1.000
0502194000	5B	Kale	0.258160	1.000	1.000
0502229000	5B	Mustard greens	0.258160	1.000	1.000
0502318000	5B	Rape greens	0.258160	1.000	1.000
0502389000	5B	Turnip, greens	0.706980	1.000	1.000
0600347000	6	Soybean, seed	0.026540	1.000	1.000
0600349000	6	Soybean, soy milk	0.026540	1.000	1.000
0600349001	6	Soybean, soy milk-babyfood or in	0.026540	1.000	1.000
0600350000	6	Soybean, oil	0.036530	1.000	1.000
0600350001	6	Soybean, oil-babyfood	0.036530	1.000	1.000
0601043000	6A	Bean, snap, succulent	0.029870	1.000	1.000
0601043001	6A	Bean, snap, succulent-babyfood	0.029870	1.000	1.000
0601257000	6A	Pea, edible podded, succulent	0.012600	1.000	1.000
0602031000	6B	Bean, broad, succulent	0.010710	1.000	1.000
0602033000	6B	Bean, cowpea, succulent	0.010710	1.000	1.000
0602037000	6B	Bean, lima, succulent	0.010710	1.000	1.000
0602255000	6B	Pea, succulent	0.012600	1.000	1.000
0602255001	6B	Pea, succulent-babyfood	0.012600	1.000	1.000
0602259000	6B	Pea, pigeon, succulent	0.012600	1.000	1.000
0603030000	6C	Bean, black, seed	0.035790	1.000	1.000
0603032000	6C	Bean, broad, seed	0.035790	1.000	1.000
0603034000	6C	Bean, cowpea, seed	0.035790	1.000	1.000
0603035000	6C	Bean, great northern, seed	0.035790	1.000	1.000
0603036000	6C	Bean, kidney, seed	0.035790	1.000	1.000
0603038000	6C	Bean, lima, seed	0.035790	1.000	1.000
0603039000	6C	Bean, mung, seed	0.035790	1.000	1.000
0603040000	6C	Bean, navy, seed	0.035790	1.000	1.000
0603041000	6C	Bean, pink, seed	0.035790	1.000	1.000
0603042000	6C	Bean, pinto, seed	0.039610	1.000	1.000
0603098000	6C	Chickpea, seed	0.032330	1.000	1.000
0603098001	6C	Chickpea, seed-babyfood	0.032330	1.000	1.000
0603099000	6C	Chickpea, flour	0.032330	1.000	1.000
0603182000	6C	Guar, seed	0.035790	1.000	1.000
0603182001	6C	Guar, seed-babyfood	0.035790	1.000	1.000
0603203000	6C	Lentil, seed	0.083360	1.000	1.000
0603256000	6C	Pea, dry	0.037310	1.000	1.000

0603256001	6C	Pea, dry-babyfood	0.037310	1.000	1.000
0603258000	6C	Pea, pigeon, seed	0.037310	1.000	1.000
0603348000	6C	Soybean, flour	0.026540	1.000	1.000
0603348001	6C	Soybean, flour-babyfood	0.026540	1.000	1.000
0801374000	8A	Tomatillo	0.090360	1.000	1.000
0801375000	8A	Tomato	0.090360	1.000	1.000
0801375001	8A	Tomato-babyfood	0.090360	1.000	1.000
0801376000	8A	Tomato, paste	0.094520	5.400	1.000
0801376001	8A	Tomato, paste-babyfood	0.094520	5.400	1.000
0801377000	8A	Tomato, puree	0.091050	3.300	1.000
0801377001	8A	Tomato, puree-babyfood	0.091050	3.300	1.000
0801378000	8A	Tomato, dried	0.090360	14.300	1.000
0801378001	8A	Tomato, dried-babyfood	0.090360	14.300	1.000
0801379000	8A	Tomato, juice	0.090360	1.500	1.000
0802148000	8BC	Eggplant	0.033780	1.000	1.000
0802234000	8BC	Okra	0.033570	1.000	1.000
0802270000	8B	Pepper, bell	0.035540	1.000	1.000
0802270001	8B	Pepper, bell-babyfood	0.035540	1.000	1.000
0802271000	8B	Pepper, bell, dried	0.043160	1.000	1.000
0802271001	8B	Pepper, bell, dried-babyfood	0.043160	1.000	1.000
0802272000	8BC	Pepper, nonbell	0.035540	1.000	1.000
0802272001	8BC	Pepper, nonbell-babyfood	0.035540	1.000	1.000
0802273000	8BC	Pepper, nonbell, dried	0.043160	1.000	1.000
0901075000	9A	Cantaloupe	0.016500	1.000	1.000
0901187000	9A	Honeydew melon	0.016500	1.000	1.000
0901399000	9A	Watermelon	0.016500	1.000	1.000
0901400000	9A	Watermelon, juice	0.016500	1.000	1.000
0902021000	9B	Balsam pear	0.019090	1.000	1.000
0902088000	9B	Chayote, fruit	0.019090	1.000	1.000
0902102000	9B	Chinese waxgourd	0.019090	1.000	1.000
0902135000	9B	Cucumber	0.019090	1.000	1.000
0902308000	9B	Pumpkin	0.019090	1.000	1.000
0902309000	9B	Pumpkin, seed	0.019090	1.000	1.000
0902356000	9B	Squash, summer	0.019090	1.000	1.000
0902356001	9B	Squash, summer-babyfood	0.019090	1.000	1.000
0902357000	9B	Squash, winter	0.019090	1.000	1.000
0902357001	9B	Squash, winter-babyfood	0.019090	1.000	1.000
1001106000	10A	Citron	0.127050	1.000	1.000
1001107000	10A	Citrus hybrids	0.140940	1.000	1.000
1001108000	10A	Citrus, oil	11.118900	1.000	1.000
1001240000	10A	Orange	0.127050	1.000	1.000
1001241000	10A	Orange, juice	0.127050	1.800	1.000
1001241001	10A	Orange, juice-babyfood	0.127050	1.800	1.000
1001242000	10A	Orange, peel	0.127050	1.000	1.000
1001369000	10A	Tangerine	0.127050	1.000	1.000
1001370000	10A	Tangerine, juice	0.127050	2.300	1.000
1002197000	10B	Kumquat	0.140940	1.000	1.000
1002199000	10B	Lemon	0.140940	1.000	1.000
1002200000	10B	Lemon, juice	0.140940	2.000	1.000
1002200001	10B	Lemon, juice-babyfood	0.140940	2.000	1.000
1002201000	10B	Lemon, peel	0.140940	1.000	1.000
1002206000	10B	Lime	0.140940	1.000	1.000
1002207000	10B	Lime, juice	0.140940	2.000	1.000
1002207001	10B	Lime, juice-babyfood	0.140940	2.000	1.000
1003180000	10C	Grapefruit	0.123580	1.000	1.000
1003181000	10C	Grapefruit, juice	0.123580	2.100	1.000
1003307000	10C	Pummelo	0.123580	1.000	1.000
1100007000	11	Apple, fruit with peel	0.075350	1.000	1.000
1100008000	11	Apple, peeled fruit	0.075350	1.000	1.000
1100008001	11	Apple, peeled fruit-babyfood	0.075350	1.000	1.000
1100009000	11	Apple, dried	0.075350	8.000	1.000
1100009001	11	Apple, dried-babyfood	0.075350	8.000	1.000
1100010000	11	Apple, juice	0.075350	1.300	1.000
1100010001	11	Apple, juice-babyfood	0.075350	1.300	1.000
1100011000	11	Apple, sauce	0.075350	1.000	1.000
1100011001	11	Apple, sauce-babyfood	0.075350	1.000	1.000
1100129000	11	Crabapple	0.102920	1.000	1.000
1100210000	11	Loquat	0.102920	1.000	1.000
1100266000	11	Pear	0.102920	1.000	1.000
1100266001	11	Pear-babyfood	0.102920	1.000	1.000
1100267000	11	Pear, dried	0.102920	6.250	1.000

1100268000	11	Pear, juice	0.102920	1.300	1.000
1100268001	11	Pear, juice-babyfood	0.102920	1.300	1.000
1100310000	11	Quince	0.102920	1.000	1.000
1201090000	12A	Cherry	0.183720	1.000	1.000
1201090001	12A	Cherry-babyfood	0.183720	1.000	1.000
1201091000	12A	Cherry, juice	0.183720	1.500	1.000
1201091001	12A	Cherry, juice-babyfood	0.183720	1.500	1.000
1202012000	12B	Apricot	0.123720	1.000	1.000
1202012001	12B	Apricot-babyfood	0.123720	1.000	1.000
1202013000	12B	Apricot, dried	0.123720	6.000	1.000
1202014000	12B	Apricot, juice	0.123720	1.000	1.000
1202014001	12B	Apricot, juice-babyfood	0.123720	1.000	1.000
1202230000	12B	Nectarine	0.112870	1.000	1.000
1202260000	12B	Peach	0.112870	1.000	1.000
1202260001	12B	Peach-babyfood	0.112870	1.000	1.000
1202261000	12B	Peach, dried	0.112870	7.000	1.000
1202261001	12B	Peach, dried-babyfood	0.112870	7.000	1.000
1202262000	12B	Peach, juice	0.112870	1.000	1.000
1202262001	12B	Peach, juice-babyfood	0.112870	1.000	1.000
1203285000	12C	Plum	0.095150	1.000	1.000
1203285001	12C	Plum-babyfood	0.095150	1.000	1.000
1203286000	12C	Plum, prune, fresh	0.095150	1.000	1.000
1203286001	12C	Plum, prune, fresh-babyfood	0.095150	1.000	1.000
1203287000	12C	Plum, prune, dried	0.157670	5.000	1.000
1203287001	12C	Plum, prune, dried-babyfood	0.157670	5.000	1.000
1203288000	12C	Plum, prune, juice	0.095150	1.400	1.000
1203288001	12C	Plum, prune, juice-babyfood	0.095150	1.400	1.000
1301055000	13A	Blackberry	0.058150	1.000	1.000
1301056000	13A	Blackberry, juice	0.058150	1.000	1.000
1301056001	13A	Blackberry, juice-babyfood	0.058150	1.000	1.000
1301058000	13A	Boysenberry	0.058150	1.000	1.000
1301208000	13A	Loganberry	0.058150	1.000	1.000
1301320000	13A	Raspberry	0.058150	1.000	1.000
1301320001	13A	Raspberry-babyfood	0.058150	1.000	1.000
1301321000	13A	Raspberry, juice	0.058150	1.000	1.000
1301321001	13A	Raspberry, juice-babyfood	0.058150	1.000	1.000
1302057000	13B	Blueberry	0.052060	1.000	1.000
1302057001	13B	Blueberry-babyfood	0.052060	1.000	1.000
1302136000	13B	Currant	0.090840	1.000	1.000
1302137000	13B	Currant, dried	0.090840	4.300	1.000
1302149000	13B	Elderberry	0.049360	1.000	1.000
1302174000	13B	Gooseberry	0.131100	1.000	1.000
1302191000	13B	Huckleberry	0.049360	1.000	1.000
1304175000	13D	Grape	0.084040	1.000	1.000
1304176000	13D	Grape, juice	0.084040	1.200	1.000
1304176001	13D	Grape, juice-babyfood	0.084040	1.200	1.000
1304179000	13D	Grape, wine and sherry	0.084040	1.200	1.000
1304195000	13D	Kiwifruit, fuzzy	0.216140	1.000	1.000
1307130000	13G	Cranberry	0.030940	1.000	1.000
1307130001	13G	Cranberry-babyfood	0.030940	1.000	1.000
1307131000	13G	Cranberry, dried	0.030940	4.300	1.000
1307132000	13G	Cranberry, juice	0.030940	1.100	1.000
1307132001	13G	Cranberry, juice-babyfood	0.030940	1.100	1.000
1307359000	13G	Strawberry	0.047320	1.000	1.000
1307359001	13G	Strawberry-babyfood	0.047320	1.000	1.000
1307360000	13G	Strawberry, juice	0.047320	1.000	1.000
1307360001	13G	Strawberry, juice-babyfood	0.047320	1.000	1.000
1400003000	14	Almond	0.013780	1.000	1.000
1400003001	14	Almond-babyfood	0.013780	1.000	1.000
1400004000	14	Almond, oil	0.013780	1.000	1.000
1400004001	14	Almond, oil-babyfood	0.013780	1.000	1.000
1400059000	14	Brazil nut	0.005110	1.000	1.000
1400068000	14	Butternut	0.005110	1.000	1.000
1400081000	14	Cashew	0.005110	1.000	1.000
1400092000	14	Chestnut	0.015460	1.000	1.000
1400155000	14	Hazelnut	0.005110	1.000	1.000
1400156000	14	Hazelnut, oil	0.005110	1.000	1.000
1400185000	14	Hickory nut	0.005110	1.000	1.000
1400213000	14	Macadamia nut	0.005110	1.000	1.000
1400269000	14	Pecan	0.005020	1.000	1.000
1400282000	14	Pistachio	0.015460	1.000	1.000

1400391000	14	Walnut	0.005110	1.000	1.000
1500025000	15	Barley, pearled barley	0.065290	1.000	1.000
1500025001	15	Barley, pearled barley-babyfood	0.065290	1.000	1.000
1500026000	15	Barley, flour	0.067890	1.000	1.000
1500026001	15	Barley, flour-babyfood	0.067890	1.000	1.000
1500027000	15	Barley, bran	0.077140	1.000	1.000
1500065000	15	Buckwheat	0.020300	1.000	1.000
1500066000	15	Buckwheat, flour	0.020300	1.000	1.000
1500120000	15	Corn, field, flour	0.008430	1.000	1.000
1500120001	15	Corn, field, flour-babyfood	0.008430	1.000	1.000
1500121000	15	Corn, field, meal	0.008430	1.000	1.000
1500121001	15	Corn, field, meal-babyfood	0.008430	1.000	1.000
1500122000	15	Corn, field, bran	0.008430	1.000	1.000
1500123000	15	Corn, field, starch	0.008430	1.000	1.000
1500123001	15	Corn, field, starch-babyfood	0.008430	1.000	1.000
1500124000	15	Corn, field, syrup	0.008430	1.500	1.000
1500124001	15	Corn, field, syrup-babyfood	0.008430	1.500	1.000
1500125000	15	Corn, field, oil	0.008450	1.000	1.000
1500125001	15	Corn, field, oil-babyfood	0.008450	1.000	1.000
1500126000	15	Corn, pop	0.008240	1.000	1.000
1500127000	15	Corn, sweet	0.006820	1.000	1.000
1500127001	15	Corn, sweet-babyfood	0.006820	1.000	1.000
1500226000	15	Millet, grain	0.154240	1.000	1.000
1500231000	15	Oat, bran	0.106030	1.000	1.000
1500232000	15	Oat, flour	0.103000	1.000	1.000
1500232001	15	Oat, flour-babyfood	0.103000	1.000	1.000
1500233000	15	Oat, groats/rolled oats	0.103000	1.000	1.000
1500233001	15	Oat, groats/rolled oats-babyfood	0.103000	1.000	1.000
1500323000	15	Rice, white	0.220530	1.000	1.000
1500323001	15	Rice, white-babyfood	0.220530	1.000	1.000
1500324000	15	Rice, brown	0.220530	1.000	1.000
1500324001	15	Rice, brown-babyfood	0.220530	1.000	1.000
1500325000	15	Rice, flour	0.220530	1.000	1.000
1500325001	15	Rice, flour-babyfood	0.220530	1.000	1.000
1500326000	15	Rice, bran	0.287810	1.000	1.000
1500326001	15	Rice, bran-babyfood	0.287810	1.000	1.000
1500328000	15	Rye, grain	0.093010	1.000	1.000
1500329000	15	Rye, flour	0.094070	1.000	1.000
1500344000	15	Sorghum, grain	0.153390	1.000	1.000
1500345000	15	Sorghum, syrup	0.153390	1.000	1.000
1500381000	15	Triticale, flour	0.016250	1.000	1.000
1500381001	15	Triticale, flour-babyfood	0.016250	1.000	1.000
1500401000	15	Wheat, grain	0.015060	1.000	1.000
1500401001	15	Wheat, grain-babyfood	0.015060	1.000	1.000
1500402000	15	Wheat, flour	0.015940	1.000	1.000
1500402001	15	Wheat, flour-babyfood	0.015940	1.000	1.000
1500403000	15	Wheat, germ	0.020810	1.000	1.000
1500404000	15	Wheat, bran	0.017400	1.000	1.000
1500405000	15	Wild rice	0.242310	1.000	1.000
1901118000	19A	Cilantro, leaves	0.650860	1.000	1.000
1901118001	19A	Cilantro, leaves-babyfood	0.650860	1.000	1.000
1901249000	19A	Parsley, dried leaves	1.766010	1.000	1.000
1901249001	19A	Parsley, dried leaves-babyfood	1.766010	1.000	1.000
1902143000	19B	Dill, seed	0.756860	1.000	1.000
2001163000	20A	Flax seed, oil	0.063320	1.000	1.000
2001319000	20A	Rapeseed, oil	0.075040	1.000	1.000
2001319001	20A	Rapeseed, oil-babyfood	0.075040	1.000	1.000
2001336000	20A	Sesame, seed	0.178640	1.000	1.000
2001336001	20A	Sesame, seed-babyfood	0.178640	1.000	1.000
2001337000	20A	Sesame, oil	0.178640	1.000	1.000
2001337001	20A	Sesame, oil-babyfood	0.178640	1.000	1.000
2002330000	20B	Safflower, oil	0.107590	1.000	1.000
2002330001	20B	Safflower, oil-babyfood	0.107590	1.000	1.000
2002364000	20B	Sunflower, seed	0.107590	1.000	1.000
2002365000	20B	Sunflower, oil	0.107590	1.000	1.000
2002365001	20B	Sunflower, oil-babyfood	0.107590	1.000	1.000
2003128000	20C	Cottonseed, oil	0.032880	1.000	1.000
2003128001	20C	Cottonseed, oil-babyfood	0.032880	1.000	1.000
2100228000	21	Mushroom	0.005050	1.000	1.000
3100044000	31	Beef, meat	0.003950	1.000	1.000
3100044001	31	Beef, meat-babyfood	0.003950	1.000	1.000

3100045000	31	Beef, meat, dried	0.003950	1.920	1.000
3100046000	31	Beef, meat byproducts	0.015860	1.000	1.000
3100046001	31	Beef, meat byproducts-babyfood	0.015860	1.000	1.000
3100047000	31	Beef, fat	0.013260	1.000	1.000
3100047001	31	Beef, fat-babyfood	0.013260	1.000	1.000
3100048000	31	Beef, kidney	0.024810	1.000	1.000
3100049000	31	Beef, liver	0.061790	1.000	1.000
3100049001	31	Beef, liver-babyfood	0.061790	1.000	1.000
3200169000	32	Goat, meat	0.003950	1.000	1.000
3200170000	32	Goat, meat byproducts	0.015860	1.000	1.000
3200171000	32	Goat, fat	0.013260	1.000	1.000
3200172000	32	Goat, kidney	0.024810	1.000	1.000
3200173000	32	Goat, liver	0.061790	1.000	1.000
3300189000	33	Horse, meat	0.003380	1.000	1.000
3400290000	34	Pork, meat	0.003470	1.000	1.000
3400290001	34	Pork, meat-babyfood	0.003470	1.000	1.000
3400291000	34	Pork, skin	0.003750	1.000	1.000
3400292000	34	Pork, meat byproducts	0.006540	1.000	1.000
3400292001	34	Pork, meat byproducts-babyfood	0.006540	1.000	1.000
3400293000	34	Pork, fat	0.003540	1.000	1.000
3400293001	34	Pork, fat-babyfood	0.003540	1.000	1.000
3400294000	34	Pork, kidney	0.007050	1.000	1.000
3400295000	34	Pork, liver	0.018750	1.000	1.000
3500339000	35	Sheep, meat	0.003950	1.000	1.000
3500339001	35	Sheep, meat-babyfood	0.003950	1.000	1.000
3500340000	35	Sheep, meat byproducts	0.015860	1.000	1.000
3500341000	35	Sheep, fat	0.013260	1.000	1.000
3500341001	35	Sheep, fat-babyfood	0.013260	1.000	1.000
3500342000	35	Sheep, kidney	0.024810	1.000	1.000
3500343000	35	Sheep, liver	0.061790	1.000	1.000
3600222000	36	Milk, fat	0.036640	1.000	1.000
3600222001	36	Milk, fat-baby food/infant formu	0.036640	1.000	1.000
3600223000	36	Milk, nonfat solids	0.005760	1.000	1.000
3600223001	36	Milk, nonfat solids-baby food/in	0.005760	1.000	1.000
3600224000	36	Milk, water	0.005760	1.000	1.000
3600224001	36	Milk, water-babyfood/infant form	0.005760	1.000	1.000
3600225001	36	Milk, sugar (lactose)-baby food/	0.005760	1.000	1.000
3800221000	38	Meat, game	0.003700	1.000	1.000
3900312000	39	Rabbit, meat	0.004350	1.000	1.000
4000093000	40	Chicken, meat	0.001740	1.000	1.000
4000093001	40	Chicken, meat-babyfood	0.001740	1.000	1.000
4000094000	40	Chicken, liver	0.003270	1.000	1.000
4000095000	40	Chicken, meat byproducts	0.003270	1.000	1.000
4000095001	40	Chicken, meat byproducts-babyfoo	0.003270	1.000	1.000
4000096000	40	Chicken, fat	0.003520	1.000	1.000
4000096001	40	Chicken, fat-babyfood	0.003520	1.000	1.000
4000097000	40	Chicken, skin	0.003270	1.000	1.000
4000097001	40	Chicken, skin-babyfood	0.003270	1.000	1.000
5000382000	50	Turkey, meat	0.001740	1.000	1.000
5000382001	50	Turkey, meat-babyfood	0.001740	1.000	1.000
5000383000	50	Turkey, liver	0.003270	1.000	1.000
5000383001	50	Turkey, liver-babyfood	0.003270	1.000	1.000
5000384000	50	Turkey, meat byproducts	0.003270	1.000	1.000
5000384001	50	Turkey, meat byproducts-babyfood	0.003270	1.000	1.000
5000385000	50	Turkey, fat	0.003520	1.000	1.000
5000385001	50	Turkey, fat-babyfood	0.003520	1.000	1.000
5000386000	50	Turkey, skin	0.003270	1.000	1.000
5000386001	50	Turkey, skin-babyfood	0.003270	1.000	1.000
6000301000	60	Poultry, other, meat	0.001740	1.000	1.000
6000302000	60	Poultry, other, liver	0.003270	1.000	1.000
6000303000	60	Poultry, other, meat byproducts	0.003270	1.000	1.000
6000304000	60	Poultry, other, fat	0.003520	1.000	1.000
6000305000	60	Poultry, other, skin	0.003270	1.000	1.000
7000145000	70	Egg, whole	0.002870	1.000	1.000
7000145001	70	Egg, whole-babyfood	0.002870	1.000	1.000
7000146000	70	Egg, white	0.002870	1.000	1.000
7000146001	70	Egg, white (solids)-babyfood	0.002870	1.000	1.000
7000147000	70	Egg, yolk	0.002870	1.000	1.000
7000147001	70	Egg, yolk-babyfood	0.002870	1.000	1.000
8601000000	86A	Water, direct, all sources	0.011000	1.000	1.000
8602000000	86B	Water, indirect, all sources	0.011000	1.000	1.000

9500016000 O	Artichoke, globe	0.052640	1.000	1.000
9500019000 O	Asparagus	0.002140	1.000	1.000
9500020000 O	Avocado	0.504570	1.000	1.000
9500023000 O	Banana	0.036740	1.000	1.000
9500023001 O	Banana-babyfood	0.036740	1.000	1.000
9500024000 O	Banana, dried	0.036740	3.900	1.000
9500024001 O	Banana, dried-babyfood	0.036740	3.900	1.000
9500074000 O	Canistel	0.215260	1.000	1.000
9500115000 O	Coffee, roasted bean	0.011450	1.000	1.000
9500116000 O	Coffee, instant	0.011450	1.000	1.000
9500177000 O	Grape, leaves	0.084040	1.000	1.000
9500178000 O	Grape, raisin	0.188770	4.300	1.000
9500183000 O	Guava	0.173410	1.000	1.000
9500183001 O	Guava-babyfood	0.173410	1.000	1.000
9500188000 O	Hop	0.997470	1.000	1.000
9500209000 O	Longan	0.091190	1.000	1.000
9500211000 O	Lychee	0.091190	1.000	1.000
9500212000 O	Lychee, dried	0.091190	1.850	1.000
9500215000 O	Mango	0.075950	1.000	1.000
9500215001 O	Mango-babyfood	0.075950	1.000	1.000
9500216000 O	Mango, dried	0.075950	1.000	1.000
9500217000 O	Mango, juice	0.075950	1.000	1.000
9500217001 O	Mango, juice-babyfood	0.075950	1.000	1.000
9500245000 O	Papaya	0.117270	1.000	1.000
9500245001 O	Papaya-babyfood	0.117270	1.000	1.000
9500246000 O	Papaya, dried	0.117270	1.800	1.000
9500247000 O	Papaya, juice	0.117270	1.500	1.000
9500254000 O	Pawpaw	0.091190	1.000	1.000
9500263000 O	Peanut	0.011650	1.000	1.000
9500264000 O	Peanut, butter	0.013120	1.890	1.000
9500265000 O	Peanut, oil	0.012910	1.000	1.000
9500275000 O	Peppermint	0.359920	1.000	1.000
9500276000 O	Peppermint, oil	0.359920	1.000	1.000
9500279000 O	Pineapple	0.261660	1.000	1.000
9500279001 O	Pineapple-babyfood	0.261660	1.000	1.000
9500280000 O	Pineapple, dried	0.261660	5.000	1.000
9500281000 O	Pineapple, juice	0.261660	1.700	1.000
9500281001 O	Pineapple, juice-babyfood	0.261660	1.700	1.000
9500283000 O	Plantain	0.036740	1.000	1.000
9500284000 O	Plantain, dried	0.036740	3.900	1.000
9500333000 O	Sapote, Mamey	0.215260	1.000	1.000
9500351000 O	Spanish lime	0.091190	1.000	1.000
9500352000 O	Spearmint	0.359920	1.000	1.000
9500353000 O	Spearmint, oil	0.359920	1.000	1.000
9500362000 O	Sugarcane, sugar	0.010800	1.000	1.000
9500362001 O	Sugarcane, sugar-babyfood	0.010800	1.000	1.000
9500363000 O	Sugarcane, molasses	0.010800	1.000	1.000
9500363001 O	Sugarcane, molasses-babyfood	0.010800	1.000	1.000
9500368000 O	Tamarind	0.091190	1.000	1.000
9500372000 O	Tea, dried	1.106720	1.000	1.000
9500373000 O	Tea, instant	1.106720	1.000	1.000
9500398000 O	Watercress	0.089800	1.000	1.000

Attachment 3. Inputs for the acute dietary exposure and risk analysis of the conjugated triazole metabolites.

Filename: C:\Users\tmorton\OneDrive - Environmental Protection Agency (EPA)\DEEM Files\Triazole Risk Assessment Early 2019 - New AI Difen 1A Tea\CONJUGATES ACUTE.R08

Chemical: Triazole Conjugates

RfD(Chronic): .09 mg/kg bw/day NOEL(Chronic): 0 mg/kg bw/day

RfD(Acute): .1 mg/kg bw/day NOEL(Acute): 0 mg/kg bw/day

Date created/last modified: 04-04-2019/08:48:02 Program ver. 3.16, FCID1

EPA Code	Crop Grp	Commodity Name	Def Res (ppm)	Adj. Factors #1	Comment #2
0101050000	1AB	Beet, garden, roots	0.556370	1.000	1.000
0101050001	1AB	Beet, garden, roots-babyfood	0.556370	1.000	1.000
0101052000	1A	Beet, sugar	0.243000	1.000	1.000
0101052001	1A	Beet, sugar-babyfood	0.243000	1.000	1.000
0101053000	1A	Beet, sugar, molasses	0.858830	1.000	1.000
0101053001	1A	Beet, sugar, molasses-babyfood	0.858830	1.000	1.000
0101067000	1AB	Burdock	0.153300	1.000	1.000
0101078000	1AB	Carrot	0.234150	1.000	1.000
0101078001	1AB	Carrot-babyfood	0.234150	1.000	1.000
0101079000	1AB	Carrot, juice	0.234150	1.000	1.000
0101084000	1AB	Celeriac	0.153300	1.000	1.000
0101100000	1AB	Chicory, roots	0.153300	1.000	1.000
0101168000	1AB	Ginseng, dried	0.352490	1.000	1.000
0101190000	1AB	Horseradish	0.153300	1.000	1.000
0101250000	1AB	Parsley, turnip rooted	0.153300	1.000	1.000
0101251000	1AB	Parsnip	0.153300	1.000	1.000
0101251001	1AB	Parsnip-babyfood	0.153300	1.000	1.000
0101314000	1AB	Radish, roots	0.247240	1.000	1.000
0101316000	1AB	Radish, Oriental, roots	0.247240	1.000	1.000
0101327000	1AB	Rutabaga	0.153300	1.000	1.000
0101331000	1AB	Salsify, roots	0.153300	1.000	1.000
0101388000	1AB	Turnip, roots	16.243250	1.000	1.000
0103015000	1CD	Arrowroot, flour	0.635720	1.000	1.000
0103015001	1CD	Arrowroot, flour-babyfood	0.635720	1.000	1.000
0103017000	1CD	Artichoke, Jerusalem	0.635720	1.000	1.000
0103082000	1CD	Cassava	0.635720	1.000	1.000
0103082001	1CD	Cassava-babyfood	0.635720	1.000	1.000
0103139000	1CD	Dasheen, corm	0.635720	1.000	1.000
0103166000	1CD	Ginger	0.635720	1.000	1.000
0103166001	1CD	Ginger-babyfood	0.635720	1.000	1.000
0103167000	1CD	Ginger, dried	0.635720	1.000	1.000
0103296000	1C	Potato, chips	0.635720	1.000	1.000
0103297000	1C	Potato, dry (granules/ flakes)	0.635720	6.500	1.000
0103297001	1C	Potato, dry (granules/ flakes)-b	0.635720	6.500	1.000
0103298000	1C	Potato, flour	0.635720	1.000	1.000
0103298001	1C	Potato, flour-babyfood	0.635720	1.000	1.000
0103299000	1C	Potato, tuber, w/peel	0.635720	1.000	1.000
0103299001	1C	Potato, tuber, w/peel-babyfood	0.635720	1.000	1.000
0103300000	1C	Potato, tuber, w/o peel	0.635720	1.000	1.000
0103300001	1C	Potato, tuber, w/o peel-babyfood	0.635720	1.000	1.000
0103366000	1CD	Sweet potato	0.635720	1.000	1.000
0103366001	1CD	Sweet potato-babyfood	0.635720	1.000	1.000
0103371000	1CD	Tanier, corm	0.635720	1.000	1.000
0103387000	1CD	Turmeric	0.635720	1.000	1.000
0103406000	1CD	Yam, true	0.635720	1.000	1.000
0103407000	1CD	Yam bean	0.635720	1.000	1.000
0200051000	2	Beet, garden, tops	5.478270	1.000	1.000
0200101000	2	Chicory, tops	0.032410	1.000	1.000
0200140000	2	Dasheen, leaves	0.032410	1.000	1.000
0200315000	2	Radish, tops	2.176420	1.000	1.000
0200317000	2	Radish, Oriental, tops	2.176420	1.000	1.000
0200332000	2	Salsify, tops	0.032410	1.000	1.000
0301165000	3A	Garlic, bulb	0.579780	1.000	1.000
0301165001	3A	Garlic, bulb-babyfood	0.579780	1.000	1.000
0301237000	3A	Onion, bulb	0.579780	1.000	1.000
0301237001	3A	Onion, bulb-babyfood	0.579780	1.000	1.000

0301238000	3A	Onion, bulb, dried	0.579780	9.000	1.000
0301238001	3A	Onion, bulb, dried-babyfood	0.579780	9.000	1.000
0302198000	3B	Leek	6.457760	1.000	1.000
0302239000	3B	Onion, green	6.457760	1.000	1.000
0302338500	3B	Shallot, fresh leaves	0.579780	1.000	1.000
0401005000	4A	Amaranth, leafy	7.448080	1.000	1.000
0401018000	4A	Arugula	18.409450	1.000	1.000
0401104000	4A	Chrysanthemum, garland	7.448080	1.000	1.000
0401133000	4A	Cress, garden	18.409450	1.000	1.000
0401134000	4A	Cress, upland	18.409450	1.000	1.000
0401138000	4A	Dandelion, leaves	7.448080	1.000	1.000
0401150000	4A	Endive	7.448080	1.000	1.000
0401204000	4A	Lettuce, head	7.316050	1.000	1.000
0401205000	4A	Lettuce, leaf	7.448080	1.000	1.000
0401248000	4A	Parsley, leaves	9.625520	1.000	1.000
0401313000	4A	Radicchio	7.316050	1.000	1.000
0401355000	4A	Spinach	0.211840	1.000	1.000
0401355001	4A	Spinach-babyfood	0.211840	1.000	1.000
0402076000	4B	Cardoon	3.075450	1.000	1.000
0402085000	4B	Celery	3.075450	1.000	1.000
0402085001	4B	Celery-babyfood	3.075450	1.000	1.000
0402086000	4B	Celery, juice	3.075450	1.000	1.000
0402087000	4B	Celtuce	3.075450	1.000	1.000
0402152000	4B	Fennel, Florence	3.075450	1.000	1.000
0402322000	4B	Rhubarb	3.075450	1.000	1.000
0402367000	4B	Swiss chard	3.075450	1.000	1.000
0501061000	5A	Broccoli	0.806930	1.000	1.000
0501061001	5A	Broccoli-babyfood	0.806930	1.000	1.000
0501062000	5A	Broccoli, Chinese	4.959340	1.000	1.000
0501064000	5A	Brussels sprouts	1.788930	1.000	1.000
0501069000	5A	Cabbage	1.788930	1.000	1.000
0501071000	5A	Cabbage, Chinese, napa	1.788930	1.000	1.000
0501072000	5A	Cabbage, Chinese, mustard	0.806930	1.000	1.000
0501083000	5A	Cauliflower	0.806930	1.000	1.000
0501196000	5A	Kohlrabi	1.788930	1.000	1.000
0502063000	5B	Broccoli raab	6.078430	1.000	1.000
0502070000	5B	Cabbage, Chinese, bok choy	6.078430	1.000	1.000
0502117000	5B	Collards	6.078430	1.000	1.000
0502194000	5B	Kale	6.078430	1.000	1.000
0502229000	5B	Mustard greens	6.078430	1.000	1.000
0502318000	5B	Rape greens	6.078430	1.000	1.000
0502389000	5B	Turnip, greens	18.602210	1.000	1.000
0600347000	6	Soybean, seed	6.888370	1.000	1.000
0600349000	6	Soybean, soy milk	6.888370	1.000	1.000
0600349001	6	Soybean, soy milk-babyfood or in	6.888370	1.000	1.000
0600350000	6	Soybean, oil	6.922930	1.000	1.000
0600350001	6	Soybean, oil-babyfood	6.922930	1.000	1.000
0601043000	6A	Bean, snap, succulent	1.592200	1.000	1.000
0601043001	6A	Bean, snap, succulent-babyfood	1.592200	1.000	1.000
0601257000	6A	Pea, edible podded, succulent	0.911900	1.000	1.000
0602031000	6B	Bean, broad, succulent	1.392820	1.000	1.000
0602033000	6B	Bean, cowpea, succulent	1.392820	1.000	1.000
0602037000	6B	Bean, lima, succulent	1.392820	1.000	1.000
0602255000	6B	Pea, succulent	1.411900	1.000	1.000
0602255001	6B	Pea, succulent-babyfood	1.411900	1.000	1.000
0602259000	6B	Pea, pigeon, succulent	1.411900	1.000	1.000
0603030000	6C	Bean, black, seed	2.470100	1.000	1.000
0603032000	6C	Bean, broad, seed	2.470100	1.000	1.000
0603034000	6C	Bean, cowpea, seed	2.470100	1.000	1.000
0603035000	6C	Bean, great northern, seed	2.470100	1.000	1.000
0603036000	6C	Bean, kidney, seed	2.470100	1.000	1.000
0603038000	6C	Bean, lima, seed	2.470100	1.000	1.000
0603039000	6C	Bean, mung, seed	2.470100	1.000	1.000
0603040000	6C	Bean, navy, seed	2.470100	1.000	1.000
0603041000	6C	Bean, pink, seed	2.470100	1.000	1.000
0603042000	6C	Bean, pinto, seed	2.456920	1.000	1.000
0603098000	6C	Chickpea, seed	2.463500	1.000	1.000
0603098001	6C	Chickpea, seed-babyfood	2.463500	1.000	1.000
0603099000	6C	Chickpea, flour	2.463500	1.000	1.000
0603182000	6C	Guar, seed	2.470100	1.000	1.000
0603182001	6C	Guar, seed-babyfood	2.470100	1.000	1.000

0603203000	6C	Lentil, seed	2.630570	1.000	1.000
0603256000	6C	Pea, dry	3.906920	1.000	1.000
0603256001	6C	Pea, dry-babyfood	3.906920	1.000	1.000
0603258000	6C	Pea, pigeon, seed	3.906920	1.000	1.000
0603348000	6C	Soybean, flour	6.888370	1.000	1.000
0603348001	6C	Soybean, flour-babyfood	6.888370	1.000	1.000
0801374000	8A	Tomatillo	3.678940	1.000	1.000
0801375000	8A	Tomato	3.678940	1.000	1.000
0801375001	8A	Tomato-babyfood	3.678940	1.000	1.000
0801376000	8A	Tomato, paste	3.736950	5.400	1.000
0801376001	8A	Tomato, paste-babyfood	3.736950	5.400	1.000
0801377000	8A	Tomato, puree	3.694370	3.300	1.000
0801377001	8A	Tomato, puree-babyfood	3.694370	3.300	1.000
0801378000	8A	Tomato, dried	3.678940	14.300	1.000
0801378001	8A	Tomato, dried-babyfood	3.678940	14.300	1.000
0801379000	8A	Tomato, juice	3.678940	1.500	1.000
0802148000	8BC	Eggplant	0.971300	1.000	1.000
0802234000	8BC	Okra	0.954850	1.000	1.000
0802270000	8B	Pepper, bell	1.072280	1.000	1.000
0802270001	8B	Pepper, bell-babyfood	1.072280	1.000	1.000
0802271000	8B	Pepper, bell, dried	2.572280	1.000	1.000
0802271001	8B	Pepper, bell, dried-babyfood	2.572280	1.000	1.000
0802272000	8BC	Pepper, nonbell	0.986430	1.000	1.000
0802272001	8BC	Pepper, nonbell-babyfood	0.986430	1.000	1.000
0802273000	8BC	Pepper, nonbell, dried	2.572280	1.000	1.000
0901075000	9A	Cantaloupe	0.362350	1.000	1.000
0901187000	9A	Honeydew melon	0.362350	1.000	1.000
0901399000	9A	Watermelon	0.362350	1.000	1.000
0901400000	9A	Watermelon, juice	0.362350	1.000	1.000
0902021000	9B	Balsam pear	2.042350	1.000	1.000
0902088000	9B	Chayote, fruit	0.390350	1.000	1.000
0902102000	9B	Chinese waxgourd	0.410350	1.000	1.000
0902135000	9B	Cucumber	2.042350	1.000	1.000
0902308000	9B	Pumpkin	2.042350	1.000	1.000
0902309000	9B	Pumpkin, seed	2.042350	1.000	1.000
0902356000	9B	Squash, summer	0.390350	1.000	1.000
0902356001	9B	Squash, summer-babyfood	0.390350	1.000	1.000
0902357000	9B	Squash, winter	0.390350	1.000	1.000
0902357001	9B	Squash, winter-babyfood	0.390350	1.000	1.000
1001106000	10A	Citron	4.663260	1.000	1.000
1001107000	10A	Citrus hybrids	4.694640	1.000	1.000
1001108000	10A	Citrus, oil	553.919600	1.000	1.000
1001240000	10A	Orange	4.663260	1.000	1.000
1001241000	10A	Orange, juice	4.663260	1.800	1.000
1001241001	10A	Orange, juice-babyfood	4.663260	1.800	1.000
1001242000	10A	Orange, peel	4.663260	1.000	1.000
1001369000	10A	Tangerine	4.663260	1.000	1.000
1001370000	10A	Tangerine, juice	4.663260	2.300	1.000
1002197000	10B	Kumquat	4.694640	1.000	1.000
1002199000	10B	Lemon	4.694640	1.000	1.000
1002200000	10B	Lemon, juice	4.694640	2.000	1.000
1002200001	10B	Lemon, juice-babyfood	4.694640	2.000	1.000
1002201000	10B	Lemon, peel	4.694640	1.000	1.000
1002206000	10B	Lime	4.694640	1.000	1.000
1002207000	10B	Lime, juice	4.694640	2.000	1.000
1002207001	10B	Lime, juice-babyfood	4.694640	2.000	1.000
1003180000	10C	Grapefruit	4.655420	1.000	1.000
1003181000	10C	Grapefruit, juice	4.655420	2.100	1.000
1003307000	10C	Pummelo	4.655420	1.000	1.000
1100007000	11	Apple, fruit with peel	0.959260	1.000	1.000
1100008000	11	Apple, peeled fruit	0.959260	1.000	1.000
1100008001	11	Apple, peeled fruit-babyfood	0.959260	1.000	1.000
1100009000	11	Apple, dried	0.959260	8.000	1.000
1100009001	11	Apple, dried-babyfood	0.959260	8.000	1.000
1100010000	11	Apple, juice	0.959260	1.300	1.000
1100010001	11	Apple, juice-babyfood	0.959260	1.300	1.000
1100011000	11	Apple, sauce	0.959260	1.000	1.000
1100011001	11	Apple, sauce-babyfood	0.959260	1.000	1.000
1100129000	11	Crabapple	1.071650	1.000	1.000
1100210000	11	Loquat	1.071650	1.000	1.000
1100266000	11	Pear	1.071650	1.000	1.000

1100266001	11	Pear-babyfood	1.071650	1.000	1.000
1100267000	11	Pear, dried	1.071650	6.250	1.000
1100268000	11	Pear, juice	1.071650	1.300	1.000
1100268001	11	Pear, juice-babyfood	1.071650	1.300	1.000
1100310000	11	Quince	1.071650	1.000	1.000
1201090000	12A	Cherry	2.791490	1.000	1.000
1201090001	12A	Cherry-babyfood	2.791490	1.000	1.000
1201091000	12A	Cherry, juice	2.791490	1.500	1.000
1201091001	12A	Cherry, juice-babyfood	2.791490	1.500	1.000
1202012000	12B	Apricot	1.794400	1.000	1.000
1202012001	12B	Apricot-babyfood	1.794400	1.000	1.000
1202013000	12B	Apricot, dried	1.794400	6.000	1.000
1202014000	12B	Apricot, juice	1.794400	1.000	1.000
1202014001	12B	Apricot, juice-babyfood	1.794400	1.000	1.000
1202230000	12B	Nectarine	3.736310	1.000	1.000
1202260000	12B	Peach	3.736310	1.000	1.000
1202260001	12B	Peach-babyfood	3.736310	1.000	1.000
1202261000	12B	Peach, dried	3.736310	7.000	1.000
1202261001	12B	Peach, dried-babyfood	3.736310	7.000	1.000
1202262000	12B	Peach, juice	3.736310	1.000	1.000
1202262001	12B	Peach, juice-babyfood	3.736310	1.000	1.000
1203285000	12C	Plum	1.467740	1.000	1.000
1203285001	12C	Plum-babyfood	1.467740	1.000	1.000
1203286000	12C	Plum, prune, fresh	1.467740	1.000	1.000
1203286001	12C	Plum, prune, fresh-babyfood	1.467740	1.000	1.000
1203287000	12C	Plum, prune, dried	1.970930	5.000	1.000
1203287001	12C	Plum, prune, dried-babyfood	1.970930	5.000	1.000
1203288000	12C	Plum, prune, juice	1.467740	1.400	1.000
1203288001	12C	Plum, prune, juice-babyfood	1.467740	1.400	1.000
1301055000	13A	Blackberry	1.223970	1.000	1.000
1301056000	13A	Blackberry, juice	1.223970	1.000	1.000
1301056001	13A	Blackberry, juice-babyfood	1.223970	1.000	1.000
1301058000	13A	Boysenberry	1.223970	1.000	1.000
1301208000	13A	Loganberry	1.223970	1.000	1.000
1301320000	13A	Raspberry	0.898130	1.000	1.000
1301320001	13A	Raspberry-babyfood	0.898130	1.000	1.000
1301321000	13A	Raspberry, juice	0.898130	1.000	1.000
1301321001	13A	Raspberry, juice-babyfood	0.898130	1.000	1.000
1302057000	13B	Blueberry	0.839240	1.000	1.000
1302057001	13B	Blueberry-babyfood	0.839240	1.000	1.000
1302136000	13B	Currant	2.212020	1.000	1.000
1302137000	13B	Currant, dried	2.212020	4.300	1.000
1302149000	13B	Elderberry	0.704190	1.000	1.000
1302174000	13B	Gooseberry	3.877020	1.000	1.000
1302191000	13B	Huckleberry	0.704190	1.000	1.000
1304175000	13D	Grape	1.308120	1.000	1.000
1304176000	13D	Grape, juice	1.308120	1.200	1.000
1304176001	13D	Grape, juice-babyfood	1.308120	1.200	1.000
1304179000	13D	Grape, wine and sherry	1.308120	1.200	1.000
1304195000	13D	Kiwifruit, fuzzy	4.278350	1.000	1.000
1307130000	13G	Cranberry	0.761790	1.000	1.000
1307130001	13G	Cranberry-babyfood	0.761790	1.000	1.000
1307131000	13G	Cranberry, dried	0.761790	4.300	1.000
1307132000	13G	Cranberry, juice	0.761790	1.100	1.000
1307132001	13G	Cranberry, juice-babyfood	0.761790	1.100	1.000
1307359000	13G	Strawberry	0.987420	1.000	1.000
1307359001	13G	Strawberry-babyfood	0.987420	1.000	1.000
1307360000	13G	Strawberry, juice	0.987420	1.000	1.000
1307360001	13G	Strawberry, juice-babyfood	0.987420	1.000	1.000
1400003000	14	Almond	2.697100	1.000	1.000
1400003001	14	Almond-babyfood	2.697100	1.000	1.000
1400004000	14	Almond, oil	2.697100	1.000	1.000
1400004001	14	Almond, oil-babyfood	2.697100	1.000	1.000
1400059000	14	Brazil nut	0.980270	1.000	1.000
1400068000	14	Butternut	0.980270	1.000	1.000
1400081000	14	Cashew	0.980270	1.000	1.000
1400092000	14	Chestnut	2.690270	1.000	1.000
1400155000	14	Hazelnut	0.980270	1.000	1.000
1400156000	14	Hazelnut, oil	0.980270	1.000	1.000
1400185000	14	Hickory nut	0.980270	1.000	1.000
1400213000	14	Macadamia nut	0.980270	1.000	1.000

1400269000	14	Pecan	0.980190	1.000	1.000
1400282000	14	Pistachio	0.950870	1.000	1.000
1400391000	14	Walnut	0.980270	1.000	1.000
1500025000	15	Barley, pearled barley	1.272360	1.000	1.000
1500025001	15	Barley, pearled barley-babyfood	1.272360	1.000	1.000
1500026000	15	Barley, flour	1.279980	1.000	1.000
1500026001	15	Barley, flour-babyfood	1.279980	1.000	1.000
1500027000	15	Barley, bran	1.423360	1.000	1.000
1500065000	15	Buckwheat	0.496980	1.000	1.000
1500066000	15	Buckwheat, flour	0.496980	1.000	1.000
1500120000	15	Corn, field, flour	1.199010	1.000	1.000
1500120001	15	Corn, field, flour-babyfood	1.199010	1.000	1.000
1500121000	15	Corn, field, meal	1.199010	1.000	1.000
1500121001	15	Corn, field, meal-babyfood	1.199010	1.000	1.000
1500122000	15	Corn, field, bran	1.199010	1.000	1.000
1500123000	15	Corn, field, starch	1.199010	1.000	1.000
1500123001	15	Corn, field, starch-babyfood	1.199010	1.000	1.000
1500124000	15	Corn, field, syrup	1.199010	1.500	1.000
1500124001	15	Corn, field, syrup-babyfood	1.199010	1.500	1.000
1500125000	15	Corn, field, oil	1.199030	1.000	1.000
1500125001	15	Corn, field, oil-babyfood	1.199030	1.000	1.000
1500126000	15	Corn, pop	1.200880	1.000	1.000
1500127000	15	Corn, sweet	0.587040	1.000	1.000
1500127001	15	Corn, sweet-babyfood	0.587040	1.000	1.000
1500226000	15	Millet, grain	0.803320	1.000	1.000
1500231000	15	Oat, bran	1.733350	1.000	1.000
1500232000	15	Oat, flour	1.596600	1.000	1.000
1500232001	15	Oat, flour-babyfood	1.596600	1.000	1.000
1500233000	15	Oat, groats/rolled oats	1.596600	1.000	1.000
1500233001	15	Oat, groats/rolled oats-babyfood	1.596600	1.000	1.000
1500323000	15	Rice, white	4.457840	1.000	1.000
1500323001	15	Rice, white-babyfood	4.457840	1.000	1.000
1500324000	15	Rice, brown	4.457840	1.000	1.000
1500324001	15	Rice, brown-babyfood	4.457840	1.000	1.000
1500325000	15	Rice, flour	4.457840	1.000	1.000
1500325001	15	Rice, flour-babyfood	4.457840	1.000	1.000
1500326000	15	Rice, bran	8.712410	1.000	1.000
1500326001	15	Rice, bran-babyfood	8.712410	1.000	1.000
1500328000	15	Rye, grain	1.459720	1.000	1.000
1500329000	15	Rye, flour	1.459720	1.000	1.000
1500344000	15	Sorghum, grain	2.134890	1.000	1.000
1500345000	15	Sorghum, syrup	2.134890	1.000	1.000
1500381000	15	Triticale, flour	1.291640	1.000	1.000
1500381001	15	Triticale, flour-babyfood	1.291640	1.000	1.000
1500401000	15	Wheat, grain	1.287670	1.000	1.000
1500401001	15	Wheat, grain-babyfood	1.287670	1.000	1.000
1500402000	15	Wheat, flour	1.290480	1.000	1.000
1500402001	15	Wheat, flour-babyfood	1.290480	1.000	1.000
1500403000	15	Wheat, germ	1.305090	1.000	1.000
1500404000	15	Wheat, bran	1.302680	1.000	1.000
1500405000	15	Wild rice	1.084280	1.000	1.000
1901118000	19A	Cilantro, leaves	11.319940	1.000	1.000
1901118001	19A	Cilantro, leaves-babyfood	11.319940	1.000	1.000
1901249000	19A	Parsley, dried leaves	31.909300	1.000	1.000
1901249001	19A	Parsley, dried leaves-babyfood	31.909300	1.000	1.000
1902143000	19B	Dill, seed	13.675410	1.000	1.000
2001163000	20A	Flax seed, oil	2.536940	1.000	1.000
2001319000	20A	Rapeseed, oil	2.578660	1.000	1.000
2001319001	20A	Rapeseed, oil-babyfood	2.578660	1.000	1.000
2001336000	20A	Sesame, seed	2.802180	1.000	1.000
2001336001	20A	Sesame, seed-babyfood	2.802180	1.000	1.000
2001337000	20A	Sesame, oil	2.802180	1.000	1.000
2001337001	20A	Sesame, oil-babyfood	2.802180	1.000	1.000
2002330000	20B	Safflower, oil	0.458120	1.000	1.000
2002330001	20B	Safflower, oil-babyfood	0.458120	1.000	1.000
2002364000	20B	Sunflower, seed	0.458120	1.000	1.000
2002365000	20B	Sunflower, oil	0.458120	1.000	1.000
2002365001	20B	Sunflower, oil-babyfood	0.458120	1.000	1.000
2003128000	20C	Cottonseed, oil	1.199670	1.000	1.000
2003128001	20C	Cottonseed, oil-babyfood	1.199670	1.000	1.000
2100228000	21	Mushroom	0.091170	1.000	1.000

3100044000	31	Beef, meat	0.071830	1.000	1.000
3100044001	31	Beef, meat-babyfood	0.071830	1.000	1.000
3100045000	31	Beef, meat, dried	0.071830	1.920	1.000
3100046000	31	Beef, meat byproducts	0.169190	1.000	1.000
3100046001	31	Beef, meat byproducts-babyfood	0.169190	1.000	1.000
3100047000	31	Beef, fat	0.112930	1.000	1.000
3100047001	31	Beef, fat-babyfood	0.112930	1.000	1.000
3100048000	31	Beef, kidney	1.044040	1.000	1.000
3100049000	31	Beef, liver	1.183550	1.000	1.000
3100049001	31	Beef, liver-babyfood	1.183550	1.000	1.000
3200169000	32	Goat, meat	0.071830	1.000	1.000
3200170000	32	Goat, meat byproducts	0.169190	1.000	1.000
3200171000	32	Goat, fat	0.112930	1.000	1.000
3200172000	32	Goat, kidney	1.044040	1.000	1.000
3200173000	32	Goat, liver	1.183550	1.000	1.000
3300189000	33	Horse, meat	0.070710	1.000	1.000
3400290000	34	Pork, meat	0.074350	1.000	1.000
3400290001	34	Pork, meat-babyfood	0.074350	1.000	1.000
3400291000	34	Pork, skin	0.054980	1.000	1.000
3400292000	34	Pork, meat byproducts	0.138270	1.000	1.000
3400292001	34	Pork, meat byproducts-babyfood	0.138270	1.000	1.000
3400293000	34	Pork, fat	0.057270	1.000	1.000
3400293001	34	Pork, fat-babyfood	0.057270	1.000	1.000
3400294000	34	Pork, kidney	0.146980	1.000	1.000
3400295000	34	Pork, liver	0.659860	1.000	1.000
3500339000	35	Sheep, meat	0.071830	1.000	1.000
3500339001	35	Sheep, meat-babyfood	0.071830	1.000	1.000
3500340000	35	Sheep, meat byproducts	0.169190	1.000	1.000
3500341000	35	Sheep, fat	0.112930	1.000	1.000
3500341001	35	Sheep, fat-babyfood	0.112930	1.000	1.000
3500342000	35	Sheep, kidney	1.044040	1.000	1.000
3500343000	35	Sheep, liver	1.183550	1.000	1.000
3600222000	36	Milk, fat	0.406810	1.000	1.000
3600222001	36	Milk, fat-baby food/infant formu	0.406810	1.000	1.000
3600223000	36	Milk, nonfat solids	0.051880	1.000	1.000
3600223001	36	Milk, nonfat solids-baby food/in	0.051880	1.000	1.000
3600224000	36	Milk, water	0.051880	1.000	1.000
3600224001	36	Milk, water-babyfood/infant form	0.051880	1.000	1.000
3600225001	36	Milk, sugar (lactose)-baby food/	0.051880	1.000	1.000
3800221000	38	Meat, game	0.071230	1.000	1.000
3900312000	39	Rabbit, meat	0.074540	1.000	1.000
4000093000	40	Chicken, meat	0.017110	1.000	1.000
4000093001	40	Chicken, meat-babyfood	0.017110	1.000	1.000
4000094000	40	Chicken, liver	0.030040	1.000	1.000
4000095000	40	Chicken, meat byproducts	0.030040	1.000	1.000
4000095001	40	Chicken, meat byproducts-babyfoo	0.030040	1.000	1.000
4000096000	40	Chicken, fat	0.030530	1.000	1.000
4000096001	40	Chicken, fat-babyfood	0.030530	1.000	1.000
4000097000	40	Chicken, skin	0.030040	1.000	1.000
4000097001	40	Chicken, skin-babyfood	0.030040	1.000	1.000
5000382000	50	Turkey, meat	0.017110	1.000	1.000
5000382001	50	Turkey, meat-babyfood	0.017110	1.000	1.000
5000383000	50	Turkey, liver	0.030040	1.000	1.000
5000383001	50	Turkey, liver-babyfood	0.030040	1.000	1.000
5000384000	50	Turkey, meat byproducts	0.030040	1.000	1.000
5000384001	50	Turkey, meat byproducts-babyfood	0.030040	1.000	1.000
5000385000	50	Turkey, fat	0.030530	1.000	1.000
5000385001	50	Turkey, fat-babyfood	0.030530	1.000	1.000
5000386000	50	Turkey, skin	0.030040	1.000	1.000
5000386001	50	Turkey, skin-babyfood	0.030040	1.000	1.000
6000301000	60	Poultry, other, meat	0.017110	1.000	1.000
6000302000	60	Poultry, other, liver	0.030040	1.000	1.000
6000303000	60	Poultry, other, meat byproducts	0.030040	1.000	1.000
6000304000	60	Poultry, other, fat	0.030530	1.000	1.000
6000305000	60	Poultry, other, skin	0.030040	1.000	1.000
7000145000	70	Egg, whole	0.023540	1.000	1.000
7000145001	70	Egg, whole-babyfood	0.023540	1.000	1.000
7000146000	70	Egg, white	0.023540	1.000	1.000
7000146001	70	Egg, white (solids)-babyfood	0.023540	1.000	1.000
7000147000	70	Egg, yolk	0.023540	1.000	1.000
7000147001	70	Egg, yolk-babyfood	0.023540	1.000	1.000

8601000000	86A	Water, direct, all sources	0.041000	1.000	1.000
8602000000	86B	Water, indirect, all sources	0.041000	1.000	1.000
9500016000	O	Artichoke, globe	1.017270	1.000	1.000
9500019000	O	Asparagus	0.043410	1.000	1.000
9500020000	O	Avocado	9.116940	1.000	1.000
9500023000	O	Banana	0.877310	1.000	1.000
9500023001	O	Banana-babyfood	0.877310	1.000	1.000
9500024000	O	Banana, dried	0.877310	3.900	1.000
9500024001	O	Banana, dried-babyfood	0.877310	3.900	1.000
9500074000	O	Canistel	3.241220	1.000	1.000
9500115000	O	Coffee, roasted bean	1.748450	1.000	1.000
9500116000	O	Coffee, instant	1.748450	1.000	1.000
9500177000	O	Grape, leaves	1.308120	1.000	1.000
9500178000	O	Grape, raisin	2.311290	4.300	1.000
9500183000	O	Guava	1.172970	1.000	1.000
9500183001	O	Guava-babyfood	1.172970	1.000	1.000
9500188000	O	Hop	25.657970	1.000	1.000
9500209000	O	Longan	1.621730	1.000	1.000
9500211000	O	Lychee	1.621730	1.000	1.000
9500212000	O	Lychee, dried	1.621730	1.850	1.000
9500215000	O	Mango	2.195110	1.000	1.000
9500215001	O	Mango-babyfood	2.195110	1.000	1.000
9500216000	O	Mango, dried	2.195110	1.000	1.000
9500217000	O	Mango, juice	2.195110	1.000	1.000
9500217001	O	Mango, juice-babyfood	2.195110	1.000	1.000
9500245000	O	Papaya	2.546110	1.000	1.000
9500245001	O	Papaya-babyfood	2.546110	1.000	1.000
9500246000	O	Papaya, dried	2.546110	1.800	1.000
9500247000	O	Papaya, juice	2.546110	1.500	1.000
9500254000	O	Pawpaw	1.621730	1.000	1.000
9500263000	O	Peanut	9.083950	1.000	1.000
9500264000	O	Peanut, butter	9.087260	1.890	1.000
9500265000	O	Peanut, oil	9.086880	1.000	1.000
9500275000	O	Peppermint	7.648010	1.000	1.000
9500276000	O	Peppermint, oil	7.648010	1.000	1.000
9500279000	O	Pineapple	3.873560	1.000	1.000
9500279001	O	Pineapple-babyfood	3.873560	1.000	1.000
9500280000	O	Pineapple, dried	3.873560	5.000	1.000
9500281000	O	Pineapple, juice	3.873560	1.700	1.000
9500281001	O	Pineapple, juice-babyfood	3.873560	1.700	1.000
9500283000	O	Plantain	0.877310	1.000	1.000
9500284000	O	Plantain, dried	0.877310	3.900	1.000
9500333000	O	Sapote, Mamey	3.241220	1.000	1.000
9500351000	O	Spanish lime	1.621730	1.000	1.000
9500352000	O	Spearmint	7.648010	1.000	1.000
9500353000	O	Spearmint, oil	7.648010	1.000	1.000
9500362000	O	Sugarcane, sugar	0.124970	1.000	1.000
9500362001	O	Sugarcane, sugar-babyfood	0.124970	1.000	1.000
9500363000	O	Sugarcane, molasses	0.124970	1.000	1.000
9500363001	O	Sugarcane, molasses-babyfood	0.124970	1.000	1.000
9500368000	O	Tamarind	1.621730	1.000	1.000
9500372000	O	Tea, dried	22.973920	1.000	1.000
9500373000	O	Tea, instant	22.973920	1.000	1.000
9500398000	O	Watercress	3.705290	1.000	1.000

Attachment 4. Inputs for the chronic dietary exposure and risk analysis of the conjugated triazole metabolites.

Filename: C:\Users\tmorton\OneDrive - Environmental Protection Agency (EPA)\DEEM Files\Triazole Risk Assessment Early 2019 - New AI Difen 1A Tea\CONJUGATES CHRONIC.R08

Chemical: Triazole Conjugates

RfD(Chronic): .09 mg/kg bw/day NOEL(Chronic): 0 mg/kg bw/day

RfD(Acute): .1 mg/kg bw/day NOEL(Acute): 0 mg/kg bw/day

Date created/last modified: 04-04-2019/08:48:02 Program ver. 3.16, FCID1

EPA Code	Crop Grp	Commodity Name	Def Res (ppm)	Adj. Factors #1	Comment #2
0101050000	1AB	Beet, garden, roots	0.353140	1.000	1.000
0101050001	1AB	Beet, garden, roots-babyfood	0.353140	1.000	1.000
0101052000	1A	Beet, sugar	0.171310	1.000	1.000
0101052001	1A	Beet, sugar-babyfood	0.171310	1.000	1.000
0101053000	1A	Beet, sugar, molasses	0.313310	1.000	1.000
0101053001	1A	Beet, sugar, molasses-babyfood	0.313310	1.000	1.000
0101067000	1AB	Burdock	0.146400	1.000	1.000
0101078000	1AB	Carrot	0.173580	1.000	1.000
0101078001	1AB	Carrot-babyfood	0.173580	1.000	1.000
0101079000	1AB	Carrot, juice	0.173580	1.000	1.000
0101084000	1AB	Celeriac	0.146400	1.000	1.000
0101100000	1AB	Chicory, roots	0.146400	1.000	1.000
0101168000	1AB	Ginseng, dried	0.232750	1.000	1.000
0101190000	1AB	Horseradish	0.146400	1.000	1.000
0101250000	1AB	Parsley, turnip rooted	0.146400	1.000	1.000
0101251000	1AB	Parsnip	0.146400	1.000	1.000
0101251001	1AB	Parsnip-babyfood	0.146400	1.000	1.000
0101314000	1AB	Radish, roots	0.154640	1.000	1.000
0101316000	1AB	Radish, Oriental, roots	0.154640	1.000	1.000
0101327000	1AB	Rutabaga	0.146400	1.000	1.000
0101331000	1AB	Salsify, roots	0.146400	1.000	1.000
0101388000	1AB	Turnip, roots	5.602470	1.000	1.000
0103015000	1CD	Arrowroot, flour	0.531020	1.000	1.000
0103015001	1CD	Arrowroot, flour-babyfood	0.531020	1.000	1.000
0103017000	1CD	Artichoke, Jerusalem	0.531020	1.000	1.000
0103082000	1CD	Cassava	0.531020	1.000	1.000
0103082001	1CD	Cassava-babyfood	0.531020	1.000	1.000
0103139000	1CD	Dasheen, corm	0.531020	1.000	1.000
0103166000	1CD	Ginger	0.531020	1.000	1.000
0103166001	1CD	Ginger-babyfood	0.531020	1.000	1.000
0103167000	1CD	Ginger, dried	0.531020	1.000	1.000
0103296000	1C	Potato, chips	0.531020	1.000	1.000
0103297000	1C	Potato, dry (granules/ flakes)	0.531020	6.500	1.000
0103297001	1C	Potato, dry (granules/ flakes)-b	0.531020	6.500	1.000
0103298000	1C	Potato, flour	0.531020	1.000	1.000
0103298001	1C	Potato, flour-babyfood	0.531020	1.000	1.000
0103299000	1C	Potato, tuber, w/peel	0.531020	1.000	1.000
0103299001	1C	Potato, tuber, w/peel-babyfood	0.531020	1.000	1.000
0103300000	1C	Potato, tuber, w/o peel	0.531020	1.000	1.000
0103300001	1C	Potato, tuber, w/o peel-babyfood	0.531020	1.000	1.000
0103366000	1CD	Sweet potato	0.531020	1.000	1.000
0103366001	1CD	Sweet potato-babyfood	0.531020	1.000	1.000
0103371000	1CD	Tanier, corm	0.531020	1.000	1.000
0103387000	1CD	Turmeric	0.531020	1.000	1.000
0103406000	1CD	Yam, true	0.531020	1.000	1.000
0103407000	1CD	Yam bean	0.531020	1.000	1.000
0200051000	2	Beet, garden, tops	3.662980	1.000	1.000
0200101000	2	Chicory, tops	0.032410	1.000	1.000
0200140000	2	Dasheen, leaves	0.032410	1.000	1.000
0200315000	2	Radish, tops	2.126020	1.000	1.000
0200317000	2	Radish, Oriental, tops	2.126020	1.000	1.000
0200332000	2	Salsify, tops	0.032410	1.000	1.000
0301165000	3A	Garlic, bulb	0.317280	1.000	1.000
0301165001	3A	Garlic, bulb-babyfood	0.317280	1.000	1.000
0301237000	3A	Onion, bulb	0.317280	1.000	1.000
0301237001	3A	Onion, bulb-babyfood	0.317280	1.000	1.000

0301238000	3A	Onion, bulb, dried	0.317280	9.000	1.000
0301238001	3A	Onion, bulb, dried-babyfood	0.317280	9.000	1.000
0302198000	3B	Leek	3.968950	1.000	1.000
0302239000	3B	Onion, green	3.968950	1.000	1.000
0302338500	3B	Shallot, fresh leaves	0.317280	1.000	1.000
0401005000	4A	Amaranth, leafy	5.041360	1.000	1.000
0401018000	4A	Arugula	9.874000	1.000	1.000
0401104000	4A	Chrysanthemum, garland	5.041360	1.000	1.000
0401133000	4A	Cress, garden	9.874000	1.000	1.000
0401134000	4A	Cress, upland	9.874000	1.000	1.000
0401138000	4A	Dandelion, leaves	5.041360	1.000	1.000
0401150000	4A	Endive	5.041360	1.000	1.000
0401204000	4A	Lettuce, head	4.907730	1.000	1.000
0401205000	4A	Lettuce, leaf	5.030510	1.000	1.000
0401248000	4A	Parsley, leaves	7.311580	1.000	1.000
0401313000	4A	Radicchio	4.907730	1.000	1.000
0401355000	4A	Spinach	0.195740	1.000	1.000
0401355001	4A	Spinach-babyfood	0.195740	1.000	1.000
0402076000	4B	Cardoon	1.583860	1.000	1.000
0402085000	4B	Celery	1.583860	1.000	1.000
0402085001	4B	Celery-babyfood	1.583860	1.000	1.000
0402086000	4B	Celery, juice	1.583860	1.000	1.000
0402087000	4B	Celtuce	1.583860	1.000	1.000
0402152000	4B	Fennel, Florence	1.583860	1.000	1.000
0402322000	4B	Rhubarb	1.583860	1.000	1.000
0402367000	4B	Swiss chard	1.583860	1.000	1.000
0501061000	5A	Broccoli	0.542330	1.000	1.000
0501061001	5A	Broccoli-babyfood	0.542330	1.000	1.000
0501062000	5A	Broccoli, Chinese	4.208160	1.000	1.000
0501064000	5A	Brussels sprouts	0.831330	1.000	1.000
0501069000	5A	Cabbage	0.831330	1.000	1.000
0501071000	5A	Cabbage, Chinese, napa	0.831330	1.000	1.000
0501072000	5A	Cabbage, Chinese, mustard	0.542330	1.000	1.000
0501083000	5A	Cauliflower	0.542330	1.000	1.000
0501196000	5A	Kohlrabi	0.831330	1.000	1.000
0502063000	5B	Broccoli raab	5.175890	1.000	1.000
0502070000	5B	Cabbage, Chinese, bok choy	5.175890	1.000	1.000
0502117000	5B	Collards	5.175890	1.000	1.000
0502194000	5B	Kale	5.175890	1.000	1.000
0502229000	5B	Mustard greens	5.175890	1.000	1.000
0502318000	5B	Rape greens	5.175890	1.000	1.000
0502389000	5B	Turnip, greens	10.325090	1.000	1.000
0600347000	6	Soybean, seed	1.007920	1.000	1.000
0600349000	6	Soybean, soy milk	1.007920	1.000	1.000
0600349001	6	Soybean, soy milk-babyfood or in	1.007920	1.000	1.000
0600350000	6	Soybean, oil	1.049850	1.000	1.000
0600350001	6	Soybean, oil-babyfood	1.049850	1.000	1.000
0601043000	6A	Bean, snap, succulent	0.775600	1.000	1.000
0601043001	6A	Bean, snap, succulent-babyfood	0.775600	1.000	1.000
0601257000	6A	Pea, edible podded, succulent	0.354200	1.000	1.000
0602031000	6B	Bean, broad, succulent	0.617200	1.000	1.000
0602033000	6B	Bean, cowpea, succulent	0.617200	1.000	1.000
0602037000	6B	Bean, lima, succulent	0.617200	1.000	1.000
0602255000	6B	Pea, succulent	0.520870	1.000	1.000
0602255001	6B	Pea, succulent-babyfood	0.520870	1.000	1.000
0602259000	6B	Pea, pigeon, succulent	0.520870	1.000	1.000
0603030000	6C	Bean, black, seed	0.503680	1.000	1.000
0603032000	6C	Bean, broad, seed	0.503680	1.000	1.000
0603034000	6C	Bean, cowpea, seed	0.503680	1.000	1.000
0603035000	6C	Bean, great northern, seed	0.503680	1.000	1.000
0603036000	6C	Bean, kidney, seed	0.503680	1.000	1.000
0603038000	6C	Bean, lima, seed	0.503680	1.000	1.000
0603039000	6C	Bean, mung, seed	0.503680	1.000	1.000
0603040000	6C	Bean, navy, seed	0.503680	1.000	1.000
0603041000	6C	Bean, pink, seed	0.503680	1.000	1.000
0603042000	6C	Bean, pinto, seed	0.514870	1.000	1.000
0603098000	6C	Chickpea, seed	0.511120	1.000	1.000
0603098001	6C	Chickpea, seed-babyfood	0.511120	1.000	1.000
0603099000	6C	Chickpea, flour	0.511120	1.000	1.000
0603182000	6C	Guar, seed	0.523050	1.000	1.000
0603182001	6C	Guar, seed-babyfood	0.523050	1.000	1.000

0603203000	6C	Lentil, seed	0.949230	1.000	1.000
0603256000	6C	Pea, dry	1.042720	1.000	1.000
0603256001	6C	Pea, dry-babyfood	1.042720	1.000	1.000
0603258000	6C	Pea, pigeon, seed	1.042720	1.000	1.000
0603348000	6C	Soybean, flour	1.007920	1.000	1.000
0603348001	6C	Soybean, flour-babyfood	1.007920	1.000	1.000
0801374000	8A	Tomatillo	1.123970	1.000	1.000
0801375000	8A	Tomato	1.123970	1.000	1.000
0801375001	8A	Tomato-babyfood	1.123970	1.000	1.000
0801376000	8A	Tomato, paste	1.181980	5.400	1.000
0801376001	8A	Tomato, paste-babyfood	1.181980	5.400	1.000
0801377000	8A	Tomato, puree	1.139400	3.300	1.000
0801377001	8A	Tomato, puree-babyfood	1.139400	3.300	1.000
0801378000	8A	Tomato, dried	1.123970	14.300	1.000
0801378001	8A	Tomato, dried-babyfood	1.123970	14.300	1.000
0801379000	8A	Tomato, juice	1.123970	1.500	1.000
0802148000	8BC	Eggplant	0.718820	1.000	1.000
0802234000	8BC	Okra	0.669880	1.000	1.000
0802270000	8B	Pepper, bell	0.729460	1.000	1.000
0802270001	8B	Pepper, bell-babyfood	0.729460	1.000	1.000
0802271000	8B	Pepper, bell, dried	0.994180	1.000	1.000
0802271001	8B	Pepper, bell, dried-babyfood	0.994180	1.000	1.000
0802272000	8BC	Pepper, nonbell	0.748320	1.000	1.000
0802272001	8BC	Pepper, nonbell-babyfood	0.748320	1.000	1.000
0802273000	8BC	Pepper, nonbell, dried	0.978460	1.000	1.000
0901075000	9A	Cantaloupe	0.257660	1.000	1.000
0901187000	9A	Honeydew melon	0.257660	1.000	1.000
0901399000	9A	Watermelon	0.257660	1.000	1.000
0901400000	9A	Watermelon, juice	0.257660	1.000	1.000
0902021000	9B	Balsam pear	0.656100	1.000	1.000
0902088000	9B	Chayote, fruit	0.309100	1.000	1.000
0902102000	9B	Chinese waxgourd	0.315100	1.000	1.000
0902135000	9B	Cucumber	0.656100	1.000	1.000
0902308000	9B	Pumpkin	0.650100	1.000	1.000
0902309000	9B	Pumpkin, seed	0.650100	1.000	1.000
0902356000	9B	Squash, summer	0.309100	1.000	1.000
0902356001	9B	Squash, summer-babyfood	0.309100	1.000	1.000
0902357000	9B	Squash, winter	0.309100	1.000	1.000
0902357001	9B	Squash, winter-babyfood	0.309100	1.000	1.000
1001106000	10A	Citron	1.974630	1.000	1.000
1001107000	10A	Citrus hybrids	2.006000	1.000	1.000
1001108000	10A	Citrus, oil	193.085300	1.000	1.000
1001240000	10A	Orange	1.974630	1.000	1.000
1001241000	10A	Orange, juice	1.974630	1.800	1.000
1001241001	10A	Orange, juice-babyfood	1.974630	1.800	1.000
1001242000	10A	Orange, peel	1.974630	1.000	1.000
1001369000	10A	Tangerine	1.974630	1.000	1.000
1001370000	10A	Tangerine, juice	1.974630	2.300	1.000
1002197000	10B	Kumquat	1.989200	1.000	1.000
1002199000	10B	Lemon	1.987200	1.000	1.000
1002200000	10B	Lemon, juice	1.987200	2.000	1.000
1002200001	10B	Lemon, juice-babyfood	1.987200	2.000	1.000
1002201000	10B	Lemon, peel	1.987200	1.000	1.000
1002206000	10B	Lime	1.987200	1.000	1.000
1002207000	10B	Lime, juice	1.987200	2.000	1.000
1002207001	10B	Lime, juice-babyfood	1.987200	2.000	1.000
1003180000	10C	Grapefruit	1.971190	1.000	1.000
1003181000	10C	Grapefruit, juice	1.971190	2.100	1.000
1003307000	10C	Pummelo	1.971190	1.000	1.000
1100007000	11	Apple, fruit with peel	0.662830	1.000	1.000
1100008000	11	Apple, peeled fruit	0.662830	1.000	1.000
1100008001	11	Apple, peeled fruit-babyfood	0.662830	1.000	1.000
1100009000	11	Apple, dried	0.662830	8.000	1.000
1100009001	11	Apple, dried-babyfood	0.662830	8.000	1.000
1100010000	11	Apple, juice	0.662830	1.300	1.000
1100010001	11	Apple, juice-babyfood	0.662830	1.300	1.000
1100011000	11	Apple, sauce	0.662830	1.000	1.000
1100011001	11	Apple, sauce-babyfood	0.662830	1.000	1.000
1100129000	11	Crabapple	0.766560	1.000	1.000
1100210000	11	Loquat	0.794060	1.000	1.000
1100266000	11	Pear	0.769060	1.000	1.000

1100266001	11	Pear-babyfood	0.769060	1.000	1.000
1100267000	11	Pear, dried	0.769060	6.250	1.000
1100268000	11	Pear, juice	0.769060	1.300	1.000
1100268001	11	Pear, juice-babyfood	0.769060	1.300	1.000
1100310000	11	Quince	0.794060	1.000	1.000
1201090000	12A	Cherry	1.978880	1.000	1.000
1201090001	12A	Cherry-babyfood	1.978880	1.000	1.000
1201091000	12A	Cherry, juice	1.978880	1.500	1.000
1201091001	12A	Cherry, juice-babyfood	1.978880	1.500	1.000
1202012000	12B	Apricot	1.367410	1.000	1.000
1202012001	12B	Apricot-babyfood	1.367410	1.000	1.000
1202013000	12B	Apricot, dried	1.367410	6.000	1.000
1202014000	12B	Apricot, juice	1.367410	1.000	1.000
1202014001	12B	Apricot, juice-babyfood	1.367410	1.000	1.000
1202230000	12B	Nectarine	1.581200	1.000	1.000
1202260000	12B	Peach	1.581200	1.000	1.000
1202260001	12B	Peach-babyfood	1.581200	1.000	1.000
1202261000	12B	Peach, dried	1.581200	7.000	1.000
1202261001	12B	Peach, dried-babyfood	1.581200	7.000	1.000
1202262000	12B	Peach, juice	1.581200	1.000	1.000
1202262001	12B	Peach, juice-babyfood	1.581200	1.000	1.000
1203285000	12C	Plum	0.980480	1.000	1.000
1203285001	12C	Plum-babyfood	0.980480	1.000	1.000
1203286000	12C	Plum, prune, fresh	0.980480	1.000	1.000
1203286001	12C	Plum, prune, fresh-babyfood	0.980480	1.000	1.000
1203287000	12C	Plum, prune, dried	1.483670	5.000	1.000
1203287001	12C	Plum, prune, dried-babyfood	1.483670	5.000	1.000
1203288000	12C	Plum, prune, juice	0.980480	1.400	1.000
1203288001	12C	Plum, prune, juice-babyfood	0.980480	1.400	1.000
1301055000	13A	Blackberry	1.061050	1.000	1.000
1301056000	13A	Blackberry, juice	1.061050	1.000	1.000
1301056001	13A	Blackberry, juice-babyfood	1.061050	1.000	1.000
1301058000	13A	Boysenberry	1.061050	1.000	1.000
1301208000	13A	Loganberry	1.061050	1.000	1.000
1301320000	13A	Raspberry	0.898130	1.000	1.000
1301320001	13A	Raspberry-babyfood	0.898130	1.000	1.000
1301321000	13A	Raspberry, juice	0.898130	1.000	1.000
1301321001	13A	Raspberry, juice-babyfood	0.898130	1.000	1.000
1302057000	13B	Blueberry	0.450040	1.000	1.000
1302057001	13B	Blueberry-babyfood	0.450040	1.000	1.000
1302136000	13B	Currant	1.155260	1.000	1.000
1302137000	13B	Currant, dried	1.155260	4.300	1.000
1302149000	13B	Elderberry	0.459940	1.000	1.000
1302174000	13B	Gooseberry	1.475340	1.000	1.000
1302191000	13B	Huckleberry	0.459940	1.000	1.000
1304175000	13D	Grape	1.035990	1.000	1.000
1304176000	13D	Grape, juice	1.035990	1.200	1.000
1304176001	13D	Grape, juice-babyfood	1.035990	1.200	1.000
1304179000	13D	Grape, wine and sherry	1.035990	1.200	1.000
1304195000	13D	Kiwifruit, fuzzy	2.302860	1.000	1.000
1307130000	13G	Cranberry	0.538410	1.000	1.000
1307130001	13G	Cranberry-babyfood	0.538410	1.000	1.000
1307131000	13G	Cranberry, dried	0.538410	4.300	1.000
1307132000	13G	Cranberry, juice	0.538410	1.100	1.000
1307132001	13G	Cranberry, juice-babyfood	0.538410	1.100	1.000
1307359000	13G	Strawberry	0.612860	1.000	1.000
1307359001	13G	Strawberry-babyfood	0.612860	1.000	1.000
1307360000	13G	Strawberry, juice	0.612860	1.000	1.000
1307360001	13G	Strawberry, juice-babyfood	0.612860	1.000	1.000
1400003000	14	Almond	0.571320	1.000	1.000
1400003001	14	Almond-babyfood	0.571320	1.000	1.000
1400004000	14	Almond, oil	0.571320	1.000	1.000
1400004001	14	Almond, oil-babyfood	0.571320	1.000	1.000
1400059000	14	Brazil nut	0.375410	1.000	1.000
1400068000	14	Butternut	0.375410	1.000	1.000
1400081000	14	Cashew	0.375410	1.000	1.000
1400092000	14	Chestnut	0.733030	1.000	1.000
1400155000	14	Hazelnut	0.298740	1.000	1.000
1400156000	14	Hazelnut, oil	0.375410	1.000	1.000
1400185000	14	Hickory nut	0.375410	1.000	1.000
1400213000	14	Macadamia nut	0.375410	1.000	1.000

1400269000	14	Pecan	0.291540	1.000	1.000
1400282000	14	Pistachio	0.351360	1.000	1.000
1400391000	14	Walnut	0.375410	1.000	1.000
1500025000	15	Barley, pearled barley	0.734440	1.000	1.000
1500025001	15	Barley, pearled barley-babyfood	0.734440	1.000	1.000
1500026000	15	Barley, flour	0.742060	1.000	1.000
1500026001	15	Barley, flour-babyfood	0.742060	1.000	1.000
1500027000	15	Barley, bran	0.885440	1.000	1.000
1500065000	15	Buckwheat	0.187730	1.000	1.000
1500066000	15	Buckwheat, flour	0.187730	1.000	1.000
1500120000	15	Corn, field, flour	0.332450	1.000	1.000
1500120001	15	Corn, field, flour-babyfood	0.332450	1.000	1.000
1500121000	15	Corn, field, meal	0.332450	1.000	1.000
1500121001	15	Corn, field, meal-babyfood	0.332450	1.000	1.000
1500122000	15	Corn, field, bran	0.332450	1.000	1.000
1500123000	15	Corn, field, starch	0.332450	1.000	1.000
1500123001	15	Corn, field, starch-babyfood	0.332450	1.000	1.000
1500124000	15	Corn, field, syrup	0.332450	1.500	1.000
1500124001	15	Corn, field, syrup-babyfood	0.332450	1.500	1.000
1500125000	15	Corn, field, oil	0.332480	1.000	1.000
1500125001	15	Corn, field, oil-babyfood	0.332480	1.000	1.000
1500126000	15	Corn, pop	0.365360	1.000	1.000
1500127000	15	Corn, sweet	0.384060	1.000	1.000
1500127001	15	Corn, sweet-babyfood	0.384060	1.000	1.000
1500226000	15	Millet, grain	0.507920	1.000	1.000
1500231000	15	Oat, bran	0.873890	1.000	1.000
1500232000	15	Oat, flour	0.737140	1.000	1.000
1500232001	15	Oat, flour-babyfood	0.737140	1.000	1.000
1500233000	15	Oat, groats/rolled oats	0.737140	1.000	1.000
1500233001	15	Oat, groats/rolled oats-babyfood	0.737140	1.000	1.000
1500323000	15	Rice, white	1.967070	1.000	1.000
1500323001	15	Rice, white-babyfood	1.967070	1.000	1.000
1500324000	15	Rice, brown	1.967070	1.000	1.000
1500324001	15	Rice, brown-babyfood	1.967070	1.000	1.000
1500325000	15	Rice, flour	1.967070	1.000	1.000
1500325001	15	Rice, flour-babyfood	1.967070	1.000	1.000
1500326000	15	Rice, bran	3.182660	1.000	1.000
1500326001	15	Rice, bran-babyfood	3.182660	1.000	1.000
1500328000	15	Rye, grain	0.641600	1.000	1.000
1500329000	15	Rye, flour	0.641600	1.000	1.000
1500344000	15	Sorghum, grain	1.041150	1.000	1.000
1500345000	15	Sorghum, syrup	1.041150	1.000	1.000
1500381000	15	Triticale, flour	0.456450	1.000	1.000
1500381001	15	Triticale, flour-babyfood	0.456450	1.000	1.000
1500401000	15	Wheat, grain	0.526790	1.000	1.000
1500401001	15	Wheat, grain-babyfood	0.526790	1.000	1.000
1500402000	15	Wheat, flour	0.529600	1.000	1.000
1500402001	15	Wheat, flour-babyfood	0.529600	1.000	1.000
1500403000	15	Wheat, germ	0.544200	1.000	1.000
1500404000	15	Wheat, bran	0.541790	1.000	1.000
1500405000	15	Wild rice	0.845660	1.000	1.000
1901118000	19A	Cilantro, leaves	10.787850	1.000	1.000
1901118001	19A	Cilantro, leaves-babyfood	10.787850	1.000	1.000
1901249000	19A	Parsley, dried leaves	31.909300	1.000	1.000
1901249001	19A	Parsley, dried leaves-babyfood	31.909300	1.000	1.000
1902143000	19B	Dill, seed	13.675410	1.000	1.000
2001163000	20A	Flax seed, oil	1.038210	1.000	1.000
2001319000	20A	Rapeseed, oil	1.094050	1.000	1.000
2001319001	20A	Rapeseed, oil-babyfood	1.094050	1.000	1.000
2001336000	20A	Sesame, seed	2.802180	1.000	1.000
2001336001	20A	Sesame, seed-babyfood	2.802180	1.000	1.000
2001337000	20A	Sesame, oil	2.802180	1.000	1.000
2001337001	20A	Sesame, oil-babyfood	2.802180	1.000	1.000
2002330000	20B	Safflower, oil	0.360960	1.000	1.000
2002330001	20B	Safflower, oil-babyfood	0.360960	1.000	1.000
2002364000	20B	Sunflower, seed	0.360960	1.000	1.000
2002365000	20B	Sunflower, oil	0.360960	1.000	1.000
2002365001	20B	Sunflower, oil-babyfood	0.360960	1.000	1.000
2003128000	20C	Cottonseed, oil	0.619750	1.000	1.000
2003128001	20C	Cottonseed, oil-babyfood	0.619750	1.000	1.000
2100228000	21	Mushroom	0.091170	1.000	1.000

3100044000	31	Beef, meat	0.035700	1.000	1.000
3100044001	31	Beef, meat-babyfood	0.035700	1.000	1.000
3100045000	31	Beef, meat, dried	0.035700	1.920	1.000
3100046000	31	Beef, meat byproducts	0.103150	1.000	1.000
3100046001	31	Beef, meat byproducts-babyfood	0.103150	1.000	1.000
3100047000	31	Beef, fat	0.069250	1.000	1.000
3100047001	31	Beef, fat-babyfood	0.069250	1.000	1.000
3100048000	31	Beef, kidney	0.264770	1.000	1.000
3100049000	31	Beef, liver	0.516530	1.000	1.000
3100049001	31	Beef, liver-babyfood	0.516530	1.000	1.000
3200169000	32	Goat, meat	0.035700	1.000	1.000
3200170000	32	Goat, meat byproducts	0.103150	1.000	1.000
3200171000	32	Goat, fat	0.069250	1.000	1.000
3200172000	32	Goat, kidney	0.264770	1.000	1.000
3200173000	32	Goat, liver	0.516530	1.000	1.000
3300189000	33	Horse, meat	0.033460	1.000	1.000
3400290000	34	Pork, meat	0.040670	1.000	1.000
3400290001	34	Pork, meat-babyfood	0.040670	1.000	1.000
3400291000	34	Pork, skin	0.033270	1.000	1.000
3400292000	34	Pork, meat byproducts	0.060550	1.000	1.000
3400292001	34	Pork, meat byproducts-babyfood	0.060550	1.000	1.000
3400293000	34	Pork, fat	0.037740	1.000	1.000
3400293001	34	Pork, fat-babyfood	0.037740	1.000	1.000
3400294000	34	Pork, kidney	0.077950	1.000	1.000
3400295000	34	Pork, liver	0.239370	1.000	1.000
3500339000	35	Sheep, meat	0.035700	1.000	1.000
3500339001	35	Sheep, meat-babyfood	0.035700	1.000	1.000
3500340000	35	Sheep, meat byproducts	0.103150	1.000	1.000
3500341000	35	Sheep, fat	0.069250	1.000	1.000
3500341001	35	Sheep, fat-babyfood	0.069250	1.000	1.000
3500342000	35	Sheep, kidney	0.264770	1.000	1.000
3500343000	35	Sheep, liver	0.516530	1.000	1.000
3600222000	36	Milk, fat	0.166360	1.000	1.000
3600222001	36	Milk, fat-baby food/infant formu	0.166360	1.000	1.000
3600223000	36	Milk, nonfat solids	0.034980	1.000	1.000
3600223001	36	Milk, nonfat solids-baby food/in	0.034980	1.000	1.000
3600224000	36	Milk, water	0.034980	1.000	1.000
3600224001	36	Milk, water-babyfood/infant form	0.034980	1.000	1.000
3600225001	36	Milk, sugar (lactose)-baby food/	0.034980	1.000	1.000
3800221000	38	Meat, game	0.034500	1.000	1.000
3900312000	39	Rabbit, meat	0.041050	1.000	1.000
4000093000	40	Chicken, meat	0.012610	1.000	1.000
4000093001	40	Chicken, meat-babyfood	0.012610	1.000	1.000
4000094000	40	Chicken, liver	0.018210	1.000	1.000
4000095000	40	Chicken, meat byproducts	0.018210	1.000	1.000
4000095001	40	Chicken, meat byproducts-babyfoo	0.018210	1.000	1.000
4000096000	40	Chicken, fat	0.019190	1.000	1.000
4000096001	40	Chicken, fat-babyfood	0.019190	1.000	1.000
4000097000	40	Chicken, skin	0.018210	1.000	1.000
4000097001	40	Chicken, skin-babyfood	0.018210	1.000	1.000
5000382000	50	Turkey, meat	0.012610	1.000	1.000
5000382001	50	Turkey, meat-babyfood	0.012610	1.000	1.000
5000383000	50	Turkey, liver	0.018210	1.000	1.000
5000383001	50	Turkey, liver-babyfood	0.018210	1.000	1.000
5000384000	50	Turkey, meat byproducts	0.018210	1.000	1.000
5000384001	50	Turkey, meat byproducts-babyfood	0.018210	1.000	1.000
5000385000	50	Turkey, fat	0.019190	1.000	1.000
5000385001	50	Turkey, fat-babyfood	0.019190	1.000	1.000
5000386000	50	Turkey, skin	0.018210	1.000	1.000
5000386001	50	Turkey, skin-babyfood	0.018210	1.000	1.000
6000301000	60	Poultry, other, meat	0.012610	1.000	1.000
6000302000	60	Poultry, other, liver	0.018210	1.000	1.000
6000303000	60	Poultry, other, meat byproducts	0.018210	1.000	1.000
6000304000	60	Poultry, other, fat	0.019190	1.000	1.000
6000305000	60	Poultry, other, skin	0.018210	1.000	1.000
7000145000	70	Egg, whole	0.017700	1.000	1.000
7000145001	70	Egg, whole-babyfood	0.017700	1.000	1.000
7000146000	70	Egg, white	0.017700	1.000	1.000
7000146001	70	Egg, white (solids)-babyfood	0.017700	1.000	1.000
7000147000	70	Egg, yolk	0.017700	1.000	1.000
7000147001	70	Egg, yolk-babyfood	0.017700	1.000	1.000

8601000000	86A	Water, direct, all sources	0.011000	1.000	1.000
8602000000	86B	Water, indirect, all sources	0.011000	1.000	1.000
9500016000	O	Artichoke, globe	0.897180	1.000	1.000
9500019000	O	Asparagus	0.036140	1.000	1.000
9500020000	O	Avocado	9.116940	1.000	1.000
9500023000	O	Banana	0.691100	1.000	1.000
9500023001	O	Banana-babyfood	0.691100	1.000	1.000
9500024000	O	Banana, dried	0.691100	3.900	1.000
9500024001	O	Banana, dried-babyfood	0.691100	3.900	1.000
9500074000	O	Canistel	3.241220	1.000	1.000
9500115000	O	Coffee, roasted bean	0.538240	1.000	1.000
9500116000	O	Coffee, instant	0.538240	1.000	1.000
9500177000	O	Grape, leaves	1.035990	1.000	1.000
9500178000	O	Grape, raisin	2.060590	4.300	1.000
9500183000	O	Guava	1.172970	1.000	1.000
9500183001	O	Guava-babyfood	1.172970	1.000	1.000
9500188000	O	Hop	15.711560	1.000	1.000
9500209000	O	Longan	1.621730	1.000	1.000
9500211000	O	Lychee	1.621730	1.000	1.000
9500212000	O	Lychee, dried	1.621730	1.850	1.000
9500215000	O	Mango	1.149010	1.000	1.000
9500215001	O	Mango-babyfood	1.149010	1.000	1.000
9500216000	O	Mango, dried	1.149010	1.000	1.000
9500217000	O	Mango, juice	1.149010	1.000	1.000
9500217001	O	Mango, juice-babyfood	1.149010	1.000	1.000
9500245000	O	Papaya	1.747310	1.000	1.000
9500245001	O	Papaya-babyfood	1.747310	1.000	1.000
9500246000	O	Papaya, dried	1.747310	1.800	1.000
9500247000	O	Papaya, juice	1.747310	1.500	1.000
9500254000	O	Pawpaw	1.621730	1.000	1.000
9500263000	O	Peanut	1.621630	1.000	1.000
9500264000	O	Peanut, butter	1.628250	1.890	1.000
9500265000	O	Peanut, oil	1.627500	1.000	1.000
9500275000	O	Peppermint	6.179080	1.000	1.000
9500276000	O	Peppermint, oil	6.179080	1.000	1.000
9500279000	O	Pineapple	3.644500	1.000	1.000
9500279001	O	Pineapple-babyfood	3.644500	1.000	1.000
9500280000	O	Pineapple, dried	3.644500	5.000	1.000
9500281000	O	Pineapple, juice	3.644500	1.700	1.000
9500281001	O	Pineapple, juice-babyfood	3.644500	1.700	1.000
9500283000	O	Plantain	0.691100	1.000	1.000
9500284000	O	Plantain, dried	0.691100	3.900	1.000
9500333000	O	Sapote, Mamey	3.241220	1.000	1.000
9500351000	O	Spanish lime	1.621730	1.000	1.000
9500352000	O	Spearmint	6.179080	1.000	1.000
9500353000	O	Spearmint, oil	6.179080	1.000	1.000
9500362000	O	Sugarcane, sugar	0.124200	1.000	1.000
9500362001	O	Sugarcane, sugar-babyfood	0.124200	1.000	1.000
9500363000	O	Sugarcane, molasses	0.124200	1.000	1.000
9500363001	O	Sugarcane, molasses-babyfood	0.124200	1.000	1.000
9500368000	O	Tamarind	1.621730	1.000	1.000
9500372000	O	Tea, dried	18.158510	1.000	1.000
9500373000	O	Tea, instant	18.158510	1.000	1.000
9500398000	O	Watercress	3.689690	1.000	1.000

Attachment 5. Summary of the acute dietary exposure and risk estimates for 1,2,4-triazole.

US EPA Ver. 3.18, 03-08-d
DEEM-FCID ACUTE Analysis for 1,2,4-TRIAZOLE NHANES 2003-2008 2-Day
Residue file: TRIAZOLE ACUTE.R08 Adjustment factor #2 NOT used.
Analysis Date: 04-04-2019/10:33:10 Residue file dated: 04-04-2019/09:15:09
RAC/FF intake summed over 24 hours
Run Comment: ""
=====

Summary calculations--per capita:

	95th Percentile Exposure	% aRfD	99th Percentile Exposure	% aRfD	99.9th Percentile Exposure	% aRfD
Total US Population:	0.009002	30.01	0.016786	55.95	0.035370	117.90
All Infants:	0.014285	47.62	0.022901	76.34	0.033562	111.87
Children 1-2:	0.025300	84.33	0.041534	138.45	0.073004	243.35
Children 3-5:	0.020754	69.18	0.033933	113.11	0.042637	142.12
Children 6-12:	0.011759	39.20	0.018249	60.83	0.040162	133.87
Youth 13-19:	0.007526	25.09	0.011908	39.69	0.020026	66.75
Adults 20-49:	0.006913	23.04	0.010570	35.23	0.017179	57.26
Adults 50-99:	0.006068	20.23	0.009322	31.07	0.015815	52.72
Female 13-49:	0.007007	23.36	0.010423	34.74	0.015854	52.85

Attachment 6. Summary of the chronic dietary exposure and risk estimates for 1,2,4-triazole.

US EPA Ver. 3.16, 03-08-d
DEEM-FCID Chronic analysis for 1,2,4-TRIAZOLE NHANES 2003-2008 2-day
Residue file name: C:\Users\tmorton\OneDrive - Environmental Protection Agency (EPA)\DEEM
Files\Triazole Risk Assessment Early 2019 - New AI Difen 1A Tea\TRIAZOLE CHRONIC.R08
Adjustment factor #2 NOT used.
Analysis Date 04-04-2019/10:16:55 Residue file dated: 04-04-2019/09:15:55
Reference dose (RfD, Chronic) = .005 mg/kg bw/day
=====
Total exposure by population subgroup
=====

Population Subgroup	Total Exposure	
	mg/kg body wt/day	Percent of Rfd
Total US Population	0.001328	26.6%
Hispanic	0.001621	32.4%
Non-Hisp-White	0.001253	25.1%
Non-Hisp-Black	0.001333	26.7%
Non-Hisp-Other	0.001556	31.1%
Nursing Infants	0.001389	27.8%
Non-Nursing Infants	0.003075	61.5%
Female 13+ PREG	0.001330	26.6%
Children 1-6	0.003637	72.7%
Children 7-12	0.001578	31.6%
Male 13-19	0.001062	21.2%
Female 13-19/NP	0.001006	20.1%
Male 20+	0.001050	21.0%
Female 20+/NP	0.001045	20.9%
Seniors 55+	0.001012	20.2%
All Infants	0.002555	51.1%
Female 13-50	0.001049	21.0%
Children 1-2	0.004563	91.3%
Children 3-5	0.003336	66.7%
Children 6-12	0.001721	34.4%
Youth 13-19	0.001034	20.7%
Adults 20-49	0.001073	21.5%
Adults 50-99	0.001024	20.5%
Female 13-49	0.001047	20.9%

Attachment 7. Summary of the acute dietary exposure and risk estimates for the conjugated triazole metabolites.

US EPA Ver. 3.18, 03-08-d
DEEM-FCID ACUTE Analysis for TRIAZOLE CONJUGATES NHANES 2003-2008 2-Day
Residue file: CONJUGATES ACUTE.R08 Adjustment factor #2 NOT used.
Analysis Date: 04-04-2019/10:25:08 Residue file dated: 04-04-2019/09:12:48
RAC/FF intake summed over 24 hours
Run Comment: ""
=====

Summary calculations--per capita:

	95th Percentile Exposure	% aRfD	99th Percentile Exposure	% aRfD	99.9th Percentile Exposure	% aRfD
Female 13-49:	0.078714	78.71	0.121623	121.62	0.190028	190.03

Attachment 8. Summary of the chronic dietary exposure and risk estimates for the conjugated triazole metabolites.

US EPA Ver. 3.16, 03-08-d
DEEM-FCID Chronic analysis for TRIAZOLE CONJUGATES NHANES 2003-2008 2-day
Residue file name: C:\Users\tmorton\OneDrive - Environmental Protection Agency (EPA)\DEEM
Files\Triazole Risk Assessment Early 2019 - New AI Difen 1A Tea\CONJUGATES CHRONIC.R08
Adjustment factor #2 NOT used.
Analysis Date 04-04-2019/10:16:00 Residue file dated: 04-04-2019/09:14:09
Reference dose (RfD, Chronic) = .09 mg/kg bw/day
=====
Total exposure by population subgroup
=====

Population Subgroup	Total Exposure	
	mg/kg body wt/day	Percent of Rfd
Total US Population	0.015981	17.8%
Hispanic	0.019926	22.1%
Non-Hisp-White	0.014923	16.6%
Non-Hisp-Black	0.016716	18.6%
Non-Hisp-Other	0.018101	20.1%
Nursing Infants	0.014575	16.2%
Non-Nursing Infants	0.028747	31.9%
Female 13+ PREG	0.016516	18.4%
Children 1-6	0.045306	50.3%
Children 7-12	0.020247	22.5%
Male 13-19	0.013832	15.4%
Female 13-19/NP	0.012441	13.8%
Male 20+	0.012533	13.9%
Female 20+/NP	0.012085	13.4%
Seniors 55+	0.011854	13.2%
All Infants	0.024372	27.1%
Female 13-50	0.012333	13.7%
Children 1-2	0.055395	61.5%
Children 3-5	0.042371	47.1%
Children 6-12	0.022039	24.5%
Youth 13-19	0.013123	14.6%
Adults 20-49	0.012657	14.1%
Adults 50-99	0.011987	13.3%
Female 13-49	0.012308	13.7%